



# The XePersian *Package*

Source documentation for **version 20.8**

*to my Master, **Ferdowsi The Great***

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<https://github.com/tex-xet/xepersian/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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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 20.8](#)

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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 bidentuftsidenote-xepersian.def

```

82 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentufts
83
84 \setLTRcitationfont{\resetlatinfont\footnotesize}
85
86 \renewcommand*\@bidentuftsidenote@LTRmarginfont{\resetlatinfont\footnotesize}
87
88 \renewcommand*\@bidentuftsidenote@RTLmarginfont{\setpersianfont\footnotesize}
89
90

```

## 12 File bidimoderncv-xepersian.def



```

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

```

### 13 File boek3-xepersian.def

```

93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse
98   \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100   \setcounter{chapter}{0}%
101   \setcounter{section}{0}%
102   \gdef\@chapapp{\appendixname}%
103   \gdef\thechapter{\@harfi\c@chapter}}

```

### 14 File boek-xepersian.def

```

104 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
105 \renewcommand*\thepart{\@tartibi\c@part}
106 \renewcommand*\frontmatter{%
107   \cleardoublepage
108   \@mainmatterfalse
109   \pagenumbering{harfi}}
110 \renewcommand*\appendix{\par
111   \setcounter{chapter}{0}%
112   \setcounter{section}{0}%
113   \gdef\@chapapp{\appendixname}%
114   \gdef\thechapter{\@harfi\c@chapter}}

```

### 15 File bookest-xepersian.def

```

115 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
116 \renewcommand \thepart {\@tartibi\c@part}
117 \renewcommand\appendix{\par
118   \setcounter{chapter}{0}%
119   \setcounter{section}{0}%
120   \gdef\@chapapp{\appendixname}%
121   \gdef\thechapter{\@harfi\c@chapter}
122 }%end appendix

```

### 16 File book-xepersian.def

```

123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
127   \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}

```



```

129 \renewcommand\appendix{\par
130 \setcounter{chapter}{0}%
131 \setcounter{section}{0}%
132 \gdef\chapapp{\appendixname}%
133 \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

## 17 File breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137 \everydisplay\expandafter{\the\everydisplay \display@setup}%
138 \if@noskipsec \leavevmode \fi
139 \if@inlabel \leavevmode \global\@inlabelfalse \fi
140 \if\eq@group\else\eq@prelim\fi
141 \setkeys{breqn}{#1}%
142 \the\eqstyle
143 \eq@setnumber
144 \begingroup
145 \eq@setup@a
146 \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151 \global\let\GRP@label\@empty
152 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153 \global\grp@linewidth\z@\global\grp@wdNum\z@
154 \global\let\grp@eqs@numbered\@False
155 \global\let\grp@aligned\@True
156 \global\let\grp@shiftnumber\@False
157 \eq@prelim
158 \setkeys{breqn}{#1}%
159 \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162 \let\display@setup\dseries@display@setup
163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169 \ifdim\lastskip<.3em \unskip
170 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```



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

```
175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{@alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}
210 \eqcommand{ }{arrayrulecolor}
211 \eqcommand{ }{arraycolsep}
212 \eqcommand{ }{arrayrulewidth}
213 \eqcommand{ }{arraystretch}
214 \eqcommand{ }{AtBeginDocument}
215 \eqcommand{ }{AtEndDocument}
216 \eqcommand{ }{AtEndOfClass}
217 \eqcommand{ }{AtEndOfPackage}
218 \eqcommand{ }{author}
219 \eqcommand{ }{backmatter}
220 \eqcommand{ }{backslash}
221 \eqcommand{ }{badness}
222 \eqcommand{ }{bar}
```





```

223 \eqcommand{      }{baselineskip}
224 \eqcommand{      }{baselinestretch}
225 \eqcommand{      }{batchmode}
226 \eqcommand{ }{begin}
227 \eqcommand{   }{beginL}
228 \eqcommand{   }{beginR}
229 \eqcommand{   }{begingroup}
230 \eqcommand{      }{belowdisplayshortskip}
231 \eqcommand{      }{belowdisplayskip}
232 \eqcommand{ }{bf}
233 \eqcommand{      }{bfdefault}
234 \eqcommand{      }{bfseries}
235 \eqcommand{      }{bgroup}
236 \eqcommand{ }{bibitem}
237 \eqcommand{      }{bibliography}
238 \eqcommand{      }{bibliographystyle}
239 \eqcommand{      }{bibname}
240 \eqcommand{      }{bigskip}
241 \eqcommand{      }{bigskipamount}
242 \eqcommand{      }{botfigrule}
243 \eqcommand{      }{botmark}
244 \eqcommand{      }{bottompageskip}
245 \eqcommand{      }{bottomfraction}
246 \eqcommand{ }{box}
247 \eqcommand{      }{boxmaxdepth}
248 \eqcommand{ }{break}
249 \eqcommand{ }{bullet}
250 \eqcommand{ @ }{@cclv}
251 \eqcommand{ @ }{@cclvi}
252 \eqcommand{ }{caption}
253 \eqcommand{ }{catcode}
254 \eqcommand{ }{cc}
255 \eqcommand{      }{ccname}
256 \eqcommand{      }{cdot}
257 \eqcommand{      }{cdots}
258 \eqcommand{      }{centering}
259 \eqcommand{      }{centerline}
260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{      }{chaptername}
263 \eqcommand{ }{char}
264 \eqcommand{      }{chardef}
265 \eqcommand{      }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{      }{ClassError}
268 \eqcommand{      }{ClassInfo}
269 \eqcommand{      }{ClassWarning}
270 \eqcommand{      }{ClassWarningNoLine}
271 \eqcommand{      }{cleaders}
272 \eqcommand{      }{cleardoublepage}

```



```

273 \eqcommand{    }\{clearpage}
274 \eqcommand{    }\{cline}
275 \eqcommand{    }\{closein}
276 \eqcommand{    }\{closeout}
277 \eqcommand{    }\{closing}
278 \eqcommand{    }\{clubpenalty}
279 \eqcommand{    }\{clubsuit}
280 \eqcommand{    }\{colbotmark}
281 \eqcommand{    }\{colfirstmark}
282 \eqcommand{    }\{color}
283 \eqcommand{    }\{colorbox}
284 \eqcommand{    }\{coltopmark}
285 \eqcommand{    }\{columncolor}
286 \eqcommand{    }\{columnsep}
287 \eqcommand{    }\{columnwidth}
288 \eqcommand{    }\{columnseprule}
289 \eqcommand{    }\{contentsline}
290 \eqcommand{    }\{contentsname}
291 \eqcommand{    }\{copy}
292 \eqcommand{    }\{copyright}
293 \eqcommand{    }\{count}
294 \eqcommand{    }\{@}\{count@}
295 \eqcommand{    }\{countdef}
296 \eqcommand{    }\{cr}
297 \eqcommand{    }\{crr}
298 \eqcommand{    }\{csname}
299 \eqcommand{    }\{CurrentOption}
300 \eqcommand{    }\{dashbox}
301 \eqcommand{    }\{dashv}
302 \eqcommand{@}\{@date}
303 \eqcommand{    }\{date}
304 \eqcommand{    }\{day}
305 \eqcommand{    }\{dblbotfigrule}
306 \eqcommand{    }\{dblbottomfraction}
307 \eqcommand{    }\{dblfigrule}
308 \eqcommand{    }\{dblfloatpagefraction}
309 \eqcommand{    }\{dblfloatsep}
310 \eqcommand{    }\{dblftntlocatecode}
311 \eqcommand{    }\{dbltextfloatsep}
312 \eqcommand{    }\{dbltopfraction}
313 \eqcommand{    }\{DeclareFixedFont}
314 \eqcommand{    }\{DeclareGraphicsExtensions}
315 \eqcommand{    }\{DeclareGraphicsRule}
316 \eqcommand{    }\{DeclareOldFontCommand}
317 \eqcommand{    }\{DeclareOption}
318 \eqcommand{    }\{DeclareRobustCommand}
319 \eqcommand{    }\{DeclareSymbolFont}
320 \eqcommand{    }\{deadcycles}
321 \eqcommand{    }\{def}
322 \eqcommand{    }\{@}\{define@key}

```



```

323 \eqcommand{    }{definecolor}
324 \eqcommand{ }{deg}
325 \eqcommand{    }{delcode}
326 \eqcommand{    }{delimiter}
327 \eqcommand{    }{delimiterfactor}
328 \eqcommand{ }{depth}
329 \eqcommand{ }{diamondsuit}
330 \eqcommand{ }{dim}
331 \eqcommand{ }{dimen}
332 \eqcommand{ @ }{dimen@}
333 \eqcommand{ @ }{dimen@i}
334 \eqcommand{ @ }{dimen@ii}
335 \eqcommand{    }{dimendef}
336 \eqcommand{    }{discretionary}
337 \eqcommand{    }{displaybreak}
338 \eqcommand{    }{displayindent}
339 \eqcommand{    }{displaystyle}
340 \eqcommand{    }{displaywidth}
341 \eqcommand{ }{divide}
342 \eqcommand{    }{documentclass}
343 \eqcommand{ }{do}
344 \eqcommand{    }{dospecials}
345 \eqcommand{ }{dot}
346 \eqcommand{    }{doteq}
347 \eqcommand{    }{dotfill}
348 \eqcommand{ }{dots}
349 \eqcommand{    }{doublebox}
350 \eqcommand{    }{doublerulesepcolor}
351 \eqcommand{    }{doublerulesep}
352 \eqcommand{    }{downarrow}
353 \eqcommand{ }{dp}
354 \eqcommand{ }{dump}
355 \eqcommand{ }{edef}
356 \eqcommand{    }{egroup}
357 \eqcommand{    }{eject}
358 \eqcommand{ }{else}
359 \eqcommand{ }{em}
360 \eqcommand{    }{emergencystretch}
361 \eqcommand{ }{emph}
362 \eqcommand{@ }{@empty}
363 \eqcommand{ }{empty}
364 \eqcommand{    }{emptyset}
365 \eqcommand{ }{end}
366 \eqcommand{    }{endL}
367 \eqcommand{    }{endR}
368 \eqcommand{    }{endcsname}
369 \eqcommand{    }{endfirsthead}
370 \eqcommand{    }{endfoot}
371 \eqcommand{ }{endgraf}
372 \eqcommand{    }{endgroup}

```



```

373 \eqcommand{ }{endhead}
374 \eqcommand{ }{endinput}
375 \eqcommand{ }{endlastfoot}
376 \eqcommand{ }{enlargethispage}
377 \eqcommand{ }{endline}
378 \eqcommand{ }{endlinechar}
379 \eqcommand{ }{enspace}
380 \eqcommand{ }{enskip}
381 \eqcommand{ }{eqcommand}
382 \eqcommand{ }{eqenvironment}
383 \eqcommand{ }{eqref}
384 \eqcommand{ }{errhelp}
385 \eqcommand{ }{errmessage}
386 \eqcommand{ }{errorcontextlines}
387 \eqcommand{ }{errorstopmode}
388 \eqcommand{ }{escapechar}
389 \eqcommand{ }{euro}
390 \eqcommand{ }{evensidemargin}
391 \eqcommand{ }{everycr}
392 \eqcommand{ }{everydisplay}
393 \eqcommand{ }{everyhbox}
394 \eqcommand{ }{everyjob}
395 \eqcommand{ }{everymath}
396 \eqcommand{ }{everypar}
397 \eqcommand{ }{everyvbox}
398 \eqcommand{ }{ExecuteOptions}
399 \eqcommand{ }{exhyphenpenalty}
400 \eqcommand{ }{expandafter}
401 \eqcommand{ }{extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{ }{fam}
406 \eqcommand{ }{fancy page}
407 \eqcommand{ }{fbox}
408 \eqcommand{ }{fboxrule}
409 \eqcommand{ }{fboxsep}
410 \eqcommand{ }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{ }{figurename}
413 \eqcommand{ }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{ }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{ }{floatpagefraction}
418 \eqcommand{ }{floatingpenalty}
419 \eqcommand{ }{floatsep}
420 \eqcommand{ }{flushbottom}
421 \eqcommand{ }{fmtname}
422 \eqcommand{ }{fmtversion}

```



```

423 \eqcommand{ }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{ }{fontdimen}
426 \eqcommand{ }{fontencoding}
427 \eqcommand{ }{fontfamily}
428 \eqcommand{ }{fontname}
429 \eqcommand{ }{fontseries}
430 \eqcommand{ }{fontshape}
431 \eqcommand{ }{fontsize}
432 \eqcommand{ }{footheight}
433 \eqcommand{ }{footins}
434 \eqcommand{ }{footnote}
435 \eqcommand{ }{footnotemark}
436 \eqcommand{ }{footnoterule}
437 \eqcommand{ }{footnotesep}
438 \eqcommand{ }{footnotesize}
439 \eqcommand{ }{footnotetext}
440 \eqcommand{ }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{ }{framebox}
443 \eqcommand{ }{frenchspacing}
444 \eqcommand{ }{frontmatter}
445 \eqcommand{ }{futurelet}
446 \eqcommand{@ }{@gobble}
447 \eqcommand{@ }{@gobbletwo}
448 \eqcommand{@ }{@gobblefour}
449 \eqcommand{@ }{@gtempa}
450 \eqcommand{@ }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{ }{GenericInfo}
453 \eqcommand{ }{GenericWarning}
454 \eqcommand{ }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{ }{globaldefs}
457 \eqcommand{ }{glossary}
458 \eqcommand{ }{glossaryentry}
459 \eqcommand{ }{goodbreak}
460 \eqcommand{ }{graphpaper}
461 \eqcommand{ }{guillemotleft}
462 \eqcommand{ }{guillemotright}
463 \eqcommand{ }{guilsinglleft}
464 \eqcommand{ }{guilsinglright}
465 \eqcommand{ }{halign}
466 \eqcommand{ }{hang}
467 \eqcommand{ }{hangafter}
468 \eqcommand{ }{hangindent}
469 \eqcommand{ }{hbadness}
470 \eqcommand{ }{hbox}
471 \eqcommand{ }{headheight}
472 \eqcommand{ }{headsep}

```



```

473 \eqcommand{ }{headtoname}
474 \eqcommand{ }{heartsuit}
475 \eqcommand{ }{height}
476 \eqcommand{ }{hfil}
477 \eqcommand{ }{hfill}
478 \eqcommand{ }{hfilneg}
479 \eqcommand{ }{hfuzz}
480 \eqcommand{ }{hideskip}
481 \eqcommand{ }{hidewidth}
482 \bidi@csletcs{ }{hline}% this is an exception
483 \eqcommand{ }{hoffset}
484 \eqcommand{ }{holdinginserts}
485 \eqcommand{ }{hrboxsep}
486 \eqcommand{ }{hrule}
487 \eqcommand{ }{hrulefill}
488 \eqcommand{ }{hsize}
489 \eqcommand{ }{hskip}
490 \eqcommand{ }{hspace}
491 \eqcommand{ }{hss}
492 \eqcommand{ }{ht}
493 \eqcommand{ }{huge}
494 \eqcommand{ }{Huge}
495 \eqcommand{ }{hyperlink}
496 \eqcommand{ }{hypersetup}
497 \eqcommand{ }{hypertarget}
498 \eqcommand{ }{hyphenation}
499 \eqcommand{ }{hyphenchar}
500 \eqcommand{ }{hyphenpenalty}
501 \eqcommand{@ }{@ifclassloaded}
502 \eqcommand{@ }{@ifdefinable}
503 \eqcommand{@ }{@ifnextchar}
504 \eqcommand{@ }{@ifpackageloaded}
505 \eqcommand{@ }{@ifstar}
506 \eqcommand{@ }{@ifundefined}
507 \eqcommand{ }{if}
508 \eqcommand{ @ }{if@tempswa}
509 \eqcommand{ }{ifcase}
510 \eqcommand{ }{ifcat}
511 \eqcommand{ }{ifdefined}
512 \eqcommand{ }{ifdim}
513 \eqcommand{ }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{ }{iffalse}
516 \eqcommand{ }{IfFileExists}
517 \eqcommand{ }{ifhbox}
518 \eqcommand{ }{ifhmode}
519 \eqcommand{ }{ifinner}
520 \eqcommand{ }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}

```



```

523 \eqcommand{      }{ifthenelse}
524 \eqcommand{      }{iftrue}
525 \eqcommand{      }{ifvbox}
526 \eqcommand{      }{ifvmode}
527 \eqcommand{      }{ifvoid}
528 \eqcommand{      }{ifx}
529 \eqcommand{      }{ignorespaces}
530 \eqcommand{      }{immediate}
531 \eqcommand{      }{include}
532 \eqcommand{      }{includegraphics}
533 \eqcommand{      }{includeonly}
534 \eqcommand{      }{indent}
535 \eqcommand{      }{index}
536 \eqcommand{      }{indexentry}
537 \eqcommand{      }{indexname}
538 \eqcommand{      }{indexspace}
539 \eqcommand{      }{input}
540 \eqcommand{      }{InputIfFileExists}
541 \eqcommand{      }{inputlineno}
542 \eqcommand{      }{insert}
543 \eqcommand{      }{insertptpenalties}
544 \eqcommand{      }{interfootnotelinepenalty}
545 \eqcommand{      }{interdisplaylinepenalty}
546 \eqcommand{      }{interlinepenalty}
547 \eqcommand{      }{intertext}
548 \eqcommand{      }{intertextsep}
549 \eqcommand{      }{invisible}
550 \eqcommand{      }{itdefault}
551 \eqcommand{      }{itshape}
552 \eqcommand{      }{item}
553 \eqcommand{      }{itemindent}
554 \eqcommand{      }{itemsep}
555 \eqcommand{      }{iterate}
556 \eqcommand{      }{itshape}
557 \eqcommand{      }{jobname}
558 \eqcommand{      }{jot}
559 \eqcommand{      }{kern}
560 \eqcommand{      }{kill}
561 \eqcommand{      }{label}
562 \eqcommand{      }{labelenumi}
563 \eqcommand{      }{labelenumii}
564 \eqcommand{      }{labelenumiii}
565 \eqcommand{      }{labelenumiv}
566 \eqcommand{      }{labelitemi}
567 \eqcommand{      }{labelitemii}
568 \eqcommand{      }{labelitemiii}
569 \eqcommand{      }{labelitemiv}
570 \eqcommand{      }{labelsep}
571 \eqcommand{      }{labelwidth}
572 \eqcommand{      }{language}

```



```

573 \eqcommand{ }{large}
574 \eqcommand{ }{Large}
575 \eqcommand{ }{LARGE}
576 \eqcommand{ }{lastbox}
577 \eqcommand{ }{lastkern}
578 \eqcommand{ }{lastpenalty}
579 \eqcommand{ }{lastskip}
580 \eqcommand{ }{LaTeX}
581 \eqcommand{ }{LaTeXe}
582 \eqcommand{ }{lccode}
583 \eqcommand{ }{ldots}
584 \eqcommand{ }{leaders}
585 \eqcommand{ }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{ }{leftmargin}
588 \eqcommand{ }{leftmargini}
589 \eqcommand{ }{leftmarginii}
590 \eqcommand{ }{leftmarginiii}
591 \eqcommand{ }{leftmarginiv}
592 \eqcommand{ }{leftmarginv}
593 \eqcommand{ }{leftmarginvi}
594 \eqcommand{ }{leftmark}
595 \eqcommand{ }{leftpageskip}
596 \eqcommand{ }{leftskip}
597 \eqcommand{ }{let}
598 \eqcommand{ }{line}
599 \eqcommand{ }{linebreak}
600 \eqcommand{ }{linepenalty}
601 \eqcommand{ }{lineskip}
602 \eqcommand{ }{lineskiplimit}
603 \eqcommand{ }{linespread}
604 \eqcommand{ }{linethickness}
605 \eqcommand{ }{linewidth}
606 \eqcommand{ }{listfigurename}
607 \eqcommand{ }{listfiles}
608 \eqcommand{ }{listoffigures}
609 \eqcommand{ }{listoftables}
610 \eqcommand{ }{listparindent}
611 \eqcommand{ }{listtablename}
612 \eqcommand{ }{LoadClass}
613 \eqcommand{ }{LoadClassWithOptions}
614 \eqcommand{ }{location}
615 \eqcommand{ }{long}
616 \eqcommand{ }{looseness}
617 \eqcommand{ }{lower}
618 \eqcommand{@ }{@makeother}
619 \eqcommand{@ }{@m}
620 \eqcommand{@ }{@M}
621 \eqcommand{@ }{@Mi}
622 \eqcommand{@ }{@Mii}

```





```

623 \eqcommand{ @ }{@Miii}
624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{ }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{ }{magstephalf}
630 \eqcommand{ }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{ }{makebox}
634 \eqcommand{ }{makeglossary}
635 \eqcommand{ }{makeindex}
636 \eqcommand{ }{makelabel}
637 \eqcommand{ }{makelabels}
638 \eqcommand{ }{MakeLowercase}
639 \eqcommand{ }{maketitle}
640 \eqcommand{ }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{ }{marginparpush}
643 \eqcommand{ }{marginparsep}
644 \eqcommand{ }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{ }{markboth}
647 \eqcommand{ }{markright}
648 \eqcommand{ }{mathaccent}
649 \eqcommand{ }{mathchar}
650 \eqcommand{ }{mathchardef}
651 \eqcommand{ }{mathcode}
652 \eqcommand{ }{mathrm}
653 \eqcommand{ }{maxdeadcycles}
654 \eqcommand{ }{maxdepth}
655 \eqcommand{ }{maxdimen}
656 \eqcommand{ }{mbox}
657 \eqcommand{ }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}
660 \eqcommand{ }{medmuskip}
661 \eqcommand{ }{medskip}
662 \eqcommand{ }{medskipamount}
663 \eqcommand{ }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{ }{MessageBreak}
666 \eqcommand{ }{minrowclearance}
667 \eqcommand{ }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{ }{moveleft}
670 \eqcommand{ }{moveright}
671 \eqcommand{ }{mskip}
672 \eqcommand{ @ }{@m@th}

```



```

673 \eqcommand{      }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{      }{multispan}
676 \eqcommand{      }{muskip}
677 \eqcommand{      }{muskipdef}
678 \eqcommand{@      }{@namedef}
679 \eqcommand{@      }{@nameuse}
680 \eqcommand{ @}{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{ }{natural}
683 \eqcommand{ }{nearrow}
684 \eqcommand{ }{nearrower}
685 \eqcommand{      }{NeedsTeXFormat}
686 \eqcommand{ }{neg}
687 \eqcommand{      }{negmedspace}
688 \eqcommand{      }{negthickspace}
689 \eqcommand{      }{negthinspace}
690 \eqcommand{ }{newboolean}
691 \eqcommand{ }{newbox}
692 \eqcommand{ }{newcommand}
693 \eqcommand{ }{newcount}
694 \eqcommand{      }{newcounter}
695 \eqcommand{      }{newdimen}
696 \eqcommand{ }{newenvironment}
697 \eqcommand{      }{newfam}
698 \eqcommand{ }{newfont}
699 \eqcommand{      }{newhelp}
700 \eqcommand{      }{newinsert}
701 \eqcommand{      }{newlabel}
702 \eqcommand{      }{newlength}
703 \eqcommand{ }{newline}
704 \eqcommand{      }{newlinechar}
705 \eqcommand{      }{newmuskip}
706 \eqcommand{ }{newpage}
707 \eqcommand{      }{newread}
708 \eqcommand{      }{newsavebox}
709 \eqcommand{      }{newskip}
710 \eqcommand{      }{newtheorem}
711 \eqcommand{      }{newtoks}
712 \eqcommand{      }{newwrite}
713 \eqcommand{ }{noalign}
714 \eqcommand{ }{nobreak}
715 \eqcommand{      }{nobreakspace}
716 \eqcommand{      }{nocite}
717 \eqcommand{ }{noexpand}
718 \eqcommand{      }{nofiles}
719 \eqcommand{      }{noindent}
720 \eqcommand{      }{nointerlineskip}
721 \eqcommand{      }{nolimits}
722 \eqcommand{      }{nolinebreak}

```



```

723 \eqcommand{      }\{nonstopmode\}
724 \eqcommand{      }\{nonfrenchspacing\}
725 \eqcommand{      }\{nonumber\}
726 \eqcommand{      }\{nopagebreak\}
727 \eqcommand{      }\{normalbaselines\}
728 \eqcommand{      }\{normalbaselineskip\}
729 \eqcommand{      }\{normalcolor\}
730 \eqcommand{      }\{normalfont\}
731 \eqcommand{      }\{normallineskip\}
732 \eqcommand{      }\{normallineskiplimit\}
733 \eqcommand{      }\{normalmarginpar\}
734 \eqcommand{      }\{normalsize\}
735 \eqcommand{      }\{notag\}
736 \eqcommand{ }{null}
737 \eqcommand{      }\{nullfont\}
738 \eqcommand{ }{number}
739 \eqcommand{      }\{numberline\}
740 \eqcommand{      }\{numberwithin\}
741 \eqcommand{      }\{@evenfoot\}
742 \eqcommand{      }\{@evenhead\}
743 \eqcommand{      }\{@oddfoot\}
744 \eqcommand{      }\{@oddhead\}
745 \eqcommand{      }\{@outeqntrue\}
746 \eqcommand{      }\{@outeqnfalse\}
747 \eqcommand{      }\{obeylines\}
748 \eqcommand{      }\{obeyspaces\}
749 \eqcommand{      }\{oddsidemargin\}
750 \eqcommand{      }\{offinterlineskip\}
751 \eqcommand{ }{omit}
752 \eqcommand{@      }\{@onlypreamble\}
753 \eqcommand{      }\{onecolumn\}
754 \eqcommand{      }\{onlynotes\}
755 \eqcommand{      }\{onlyslides\}
756 \eqcommand{      }\{openin\}
757 \eqcommand{      }\{openout\}
758 \eqcommand{      }\{OptionNotUsed\}
759 \eqcommand{ }{or}
760 \eqcommand{      }\{outer\}
761 \eqcommand{      }\{output\}
762 \eqcommand{      }\{outputpenalty\}
763 \eqcommand{      }\{overfullrule\}
764 \eqcommand{@      }\{@preamblecmds\}
765 \eqcommand{@ }{p@}
766 \eqcommand{      }\{PackageError\}
767 \eqcommand{      }\{PackageInfo\}
768 \eqcommand{      }\{PackageWarning\}
769 \eqcommand{      }\{PackageWarningNoLine\}
770 \eqcommand{      }\{pagebreak\}
771 \eqcommand{      }\{pagecolor\}
772 \eqcommand{      }\{pagedepth\}

```



```

773 \eqcommand{      }{pagefilllstretch}
774 \eqcommand{      }{pagefillstretch}
775 \eqcommand{      }{pagefilstretch}
776 \eqcommand{      }{pagegoal}
777 \eqcommand{      }{pagename}
778 \eqcommand{      }{pagenumbering}
779 \eqcommand{      }{pageref}
780 \eqcommand{      }{pagerulewidth}
781 \eqcommand{      }{pageshrink}
782 \eqcommand{      }{pagestretch}
783 \eqcommand{      }{pagestyle}
784 \eqcommand{      }{pagetotal}
785 \eqcommand{      }{paperheight}
786 \eqcommand{      }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{      }{paragraph}
789 \eqcommand{      }{parallel}
790 \eqcommand{      }{parbox}
791 \eqcommand{      }{parfillskip}
792 \eqcommand{      }{parindent}
793 \eqcommand{      }{parsep}
794 \eqcommand{      }{parshape}
795 \eqcommand{      }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{      }{partname}
798 \eqcommand{      }{partopsep}
799 \eqcommand{      }{PassOptionToClass}
800 \eqcommand{      }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{      }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{      }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{      }{poptabs}
807 \eqcommand{      }{postdisplaypenalty}
808 \eqcommand{      }{predisplaydirection}
809 \eqcommand{      }{predisplaypenalty}
810 \eqcommand{      }{predisplaysize}
811 \eqcommand{      }{pretolerance}
812 \eqcommand{      }{prevdepth}
813 \eqcommand{      }{prevgraf}
814 \eqcommand{      }{printindex}
815 \eqcommand{      }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{      }{providecommand}
818 \eqcommand{      }{ProvidesClass}
819 \eqcommand{      }{ProvidesFile}
820 \eqcommand{      }{ProvidesPackage}
821 \eqcommand{      }{pushtabs}
822 \eqcommand{      }{quad}

```



```

823 \eqcommand{ }{quad}
824 \eqcommand{@ }{@outputpagerestore}
825 \eqcommand{ }{radical}
826 \eqcommand{ }{raggedbottom}
827 \eqcommand{ }{raggedleft}
828 \eqcommand{ }{raggedright}
829 \eqcommand{ }{raise}
830 \eqcommand{ }{raisebox}
831 \eqcommand{ }{raisetag}
832 \eqcommand{ }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{ }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{ }{reflectbox}
837 \eqcommand{ }{refname}
838 \eqcommand{ }{refstepcounter}
839 \eqcommand{ }{relax}
840 \eqcommand{ }{removelastskip}
841 \eqcommand{ }{renewcommand}
842 \eqcommand{ }{renewenvironment}
843 \eqcommand{ }{RequirePackage}
844 \eqcommand{ }{RequirePackageWithOptions}
845 \eqcommand{ }{resizebox}
846 \eqcommand{ }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{ }{right}
849 \eqcommand{ }{rightmargin}
850 \eqcommand{ }{rightmark}
851 \eqcommand{ }{rightpageskip}
852 \eqcommand{ }{rightskip}
853 \eqcommand{ }{rmdefault}
854 \eqcommand{ }{rmfamily}
855 \eqcommand{ }{Roman}
856 \eqcommand{ }{roman}
857 \eqcommand{ }{romannumeral}
858 \eqcommand{ }{rotatebox}
859 \eqcommand{ }{rowcolor}
860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}

```



```

873 \eqcommand{      }{scriptsize}
874 \eqcommand{      }{scripstyle}
875 \eqcommand{      }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{      }{secdef}
878 \eqcommand{      }{see}
879 \eqcommand{      }{seealso}
880 \eqcommand{      }{seename}
881 \eqcommand{      }{selectfont}
882 \eqcommand{      }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{      }{setcounter}
885 \eqcommand{      }{setlength}
886 \eqcommand{      }{setminus}
887 \eqcommand{      }{SetSymbolFont}
888 \eqcommand{      }{settodepth}
889 \eqcommand{      }{settoheight}
890 \eqcommand{      }{settowidth}
891 \eqcommand{      }{sfcode}
892 \eqcommand{      }{sfdefault}
893 \eqcommand{      }{sffamily}
894 \eqcommand{      }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{      }{shipout}
897 \eqcommand{      }{shortstack}
898 \eqcommand{      }{show}
899 \eqcommand{      }{showbox}
900 \eqcommand{      }{showboxbreadth}
901 \eqcommand{      }{showboxdepth}
902 \eqcommand{      }{showlists}
903 \eqcommand{      }{showthe}
904 \eqcommand{      }{simplefontmode}
905 \eqcommand{ @}{sist@@n}
906 \eqcommand{      }{skewchar}
907 \eqcommand{      }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{      }{skipdef}
910 \eqcommand{      }{sl}
911 \eqcommand{      }{sldefault}
912 \eqcommand{      }{slshape}
913 \eqcommand{      }{sloppy}
914 \eqcommand{      }{slshape}
915 \eqcommand{ }{small}
916 \eqcommand{      }{smallskip}
917 \eqcommand{      }{smallskipamount}
918 \eqcommand{ }{smash}
919 \eqcommand{      }{smile}
920 \eqcommand{      }{snlfontlocatecode}
921 \eqcommand{ }{space}
922 \eqcommand{      }{spacefactor}

```



```

923 \eqcommand{      }\{spaceskip}
924 \eqcommand{      }\{spadesuit}
925 \eqcommand{      }\{span}
926 \eqcommand{      }\{special}
927 \eqcommand{      }\{splitmaxdepth}
928 \eqcommand{      }\{splittopskip}
929 \eqcommand{      }\{star}
930 \eqcommand{      }\{stepcounter}
931 \eqcommand{      }\{stretch}
932 \eqcommand{      }\{string}
933 \eqcommand{      }\{strut}
934 \eqcommand{      }\{strutbox}
935 \eqcommand{      }\{subitem}
936 \eqcommand{      }\{subparagraph}
937 \eqcommand{      }\{subsection}
938 \eqcommand{      }\{substack}
939 \eqcommand{      }\{subsubitem}
940 \eqcommand{      }\{subsubsection}
941 \eqcommand{      }\{subset}
942 \eqcommand{      }\{subseteq}
943 \eqcommand{      }\{supereject}
944 \eqcommand{      }\{suppressfloats}
945 \eqcommand{@      }\{@tempa}
946 \eqcommand{@      }\{@tempb}
947 \eqcommand{@      }\{@tempc}
948 \eqcommand{@      }\{@tempd}
949 \eqcommand{@      }\{@tempe}
950 \eqcommand{@      }\{@tempboxa}
951 \eqcommand{@      }\{@tempcnta}
952 \eqcommand{@      }\{@tempcntb}
953 \eqcommand{@      }\{@tempdima}
954 \eqcommand{@      }\{@tempdimb}
955 \eqcommand{@      }\{@tempdimc}
956 \eqcommand{@      }\{@tempskipa}
957 \eqcommand{@      }\{@tempskipb}
958 \eqcommand{@      }\{@tempswafalse}
959 \eqcommand{@      }\{@tempswatruel}
960 \eqcommand{@      }\{@temptokena}
961 \eqcommand{      }\{@thefnmark}
962 \eqcommand{@      }\{@thirdofthree}
963 \eqcommand{      }\{tabbingsep}
964 \eqcommand{      }\{tabcolsep}
965 \eqcommand{      }\{tableofcontents}
966 \eqcommand{      }\{tablename}
967 \eqcommand{      }\{tabskip}
968 \eqcommand{      }\{tabularnewline}
969 \eqcommand{      }\{tag}
970 \eqcommand{      }\{telephone}
971 \eqcommand{      }\{TeX}
972 \eqcommand{      }\{text}

```



```

973 \eqcommand{      }{\textbullet}
974 \eqcommand{      }{\textfont}
975 \eqcommand{      }{\textemdash}
976 \eqcommand{      }{\textendash}
977 \eqcommand{      }{\textexclamdown}
978 \eqcommand{      }{\textperiodcentered}
979 \eqcommand{      }{\textquestiondown}
980 \eqcommand{      }{\textquotedblleft}
981 \eqcommand{      }{\textquotedblright}
982 \eqcommand{      }{\textquoteleft}
983 \eqcommand{      }{\textquoteright}
984 \eqcommand{      }{\textvisiblespace}
985 \eqcommand{      }{\textbackslash}
986 \eqcommand{      }{\textbar}
987 \eqcommand{      }{\textgreater}
988 \eqcommand{      }{\textless}
989 \eqcommand{      }{\textbf}
990 \eqcommand{      }{\textcircled}
991 \eqcommand{      }{\textcolor}
992 \eqcommand{      }{\textcompwordmark}
993 \eqcommand{      }{\textfloatsep}
994 \eqcommand{      }{\textfraction}
995 \eqcommand{      }{\textheight}
996 \eqcommand{      }{\textindent}
997 \eqcommand{      }{\textit}
998 \eqcommand{      }{\textmd}
999 \eqcommand{      }{\textnormal}
1000 \eqcommand{     }{\textregistered}
1001 \eqcommand{     }{\textrm}
1002 \eqcommand{     }{\textsc}
1003 \eqcommand{     }{\textsf}
1004 \eqcommand{     }{\textsl}
1005 \eqcommand{     }{\textstyle}
1006 \eqcommand{     }{\textsuperscript}
1007 \eqcommand{     }{\texttrademark}
1008 \eqcommand{     }{\texttt}
1009 \eqcommand{     }{\textup}
1010 \eqcommand{     }{\textwidth}
1011 \eqcommand{     }{\thanks}
1012 \eqcommand{     }{\the}
1013 \eqcommand{     }{\thempfn}
1014 \eqcommand{     }{\thicklines}
1015 \eqcommand{     }{\thickmuskip}
1016 \eqcommand{     }{\thinmuskip}
1017 \eqcommand{     }{\thickspace}
1018 \eqcommand{     }{\thinlines}
1019 \eqcommand{     }{\thinspace}
1020 \eqcommand{     }{\thisfancy page}
1021 \eqcommand{     }{\thispagestyle}
1022 \eqcommand{ @ }{\thr@@}

```





```

1023 \eqcommand{ }{\tilde}
1024 \eqcommand{ }{\tiny}
1025 \eqcommand{ }{\time}
1026 \eqcommand{ }{\times}
1027 \eqcommand{ }{\title}
1028 \eqcommand{ }{\to}
1029 \eqcommand{ }{\today}
1030 \eqcommand{ }{\toks}
1031 \eqcommand{ }{\toksdef}
1032 \eqcommand{ }{\tolerance}
1033 \eqcommand{ }{\top}
1034 \eqcommand{ }{\topfigrule}
1035 \eqcommand{ }{\topfraction}
1036 \eqcommand{ }{\topmargin}
1037 \eqcommand{ }{\topmark}
1038 \eqcommand{ }{\toppageskip}
1039 \eqcommand{ }{\topsep}
1040 \eqcommand{ }{\topskip}
1041 \eqcommand{ }{\totalheight}
1042 \eqcommand{ }{\tracingall}
1043 \eqcommand{ }{\tracingcommands}
1044 \eqcommand{ }{\tracinglostchars}
1045 \eqcommand{ }{\tracingmacros}
1046 \eqcommand{ }{\tracingonline}
1047 \eqcommand{ }{\tracingoutput}
1048 \eqcommand{ }{\tracingpages}
1049 \eqcommand{ }{\tracingparagraphs}
1050 \eqcommand{ }{\tracingrestores}
1051 \eqcommand{ }{\tracingstats}
1052 \eqcommand{ }{\triangle}
1053 \eqcommand{ }{\ttdefault}
1054 \eqcommand{ }{\ttfamily}
1055 \eqcommand{ @}{\tw@}
1056 \eqcommand{ }{\twocolumn}
1057 \eqcommand{ }{\typein}
1058 \eqcommand{ }{\typeout}
1059 \eqcommand{ }{\uccode}
1060 \eqcommand{ }{\uchyph}
1061 \eqcommand{ }{\underline}
1062 \eqcommand{ }{\unhbox}
1063 \eqcommand{ }{\unhcopy}
1064 \eqcommand{ }{\unitlength}
1065 \eqcommand{ }{\unkern}
1066 \eqcommand{ }{\unpenalty}
1067 \eqcommand{ }{\unskip}
1068 \eqcommand{ }{\unvbox}
1069 \eqcommand{ }{\unvcopy}
1070 \eqcommand{ }{\updefault}
1071 \eqcommand{ }{\upshape}
1072 \eqcommand{ }{\usebox}

```



```

1073 \eqcommand{      }{usecounter}
1074 \eqcommand{      }{usefont}
1075 \eqcommand{      }{usepackage}
1076 \eqcommand{@      }{@vobeyspaces}
1077 \eqcommand{@ }{@void}
1078 \eqcommand{      }{vadjust}
1079 \eqcommand{      }{valign}
1080 \eqcommand{      }{value}
1081 \eqcommand{      }{vbadness}
1082 \eqcommand{      }{vbox}
1083 \eqcommand{      }{vcenter}
1084 \eqcommand{      }{verb}
1085 \eqcommand{      }{vfil}
1086 \eqcommand{      }{vfill}
1087 \eqcommand{      }{vfilneg}
1088 \eqcommand{      }{vfuzz}
1089 \eqcommand{      }{visible}
1090 \eqcommand{      }{vline}
1091 \eqcommand{      }{voffset}
1092 \eqcommand{ @ }{voidb@x}
1093 \eqcommand{      }{vpageref}
1094 \eqcommand{      }{vrboxsep}
1095 \eqcommand{      }{vref}
1096 \eqcommand{      }{vrule}
1097 \eqcommand{      }{vsize}
1098 \eqcommand{      }{vskip}
1099 \eqcommand{      }{vspace}
1100 \eqcommand{      }{vsplit}
1101 \eqcommand{      }{vss}
1102 \eqcommand{      }{vtop}
1103 \eqcommand{      }{wd}
1104 \eqcommand{      }{whiledo}
1105 \eqcommand{      }{widehat}
1106 \eqcommand{      }{widetilde}
1107 \eqcommand{      }{widowpenalty}
1108 \eqcommand{      }{width}
1109 \eqcommand{      }{wlog}
1110 \eqcommand{      }{write}
1111 \eqcommand{@      }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{      }{xdef}
1114 \eqcommand{      }{xleaders}
1115 \eqcommand{      }{xspaceskip}
1116 \eqcommand{      }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@      }{z@skip}

```

## 19 File color-localise-xepersian.def

```

1119 color}          \-localise-xepersian.def][2011/03/01 v0.1 localising color package]

```



```

1120 0}{rgb}{ } \0,,0}
1121 1}{rgb}{ } \1,,1}
1122 1}{rgb}{ } \0,,0}
1123 0}{rgb}{ } \1,,0}
1124 0}{rgb}{ } \0,,1}
1125 1}{cmyk}{ } \0,,0,0}
1126 0}{cmyk}{ } \1,,0,0}
1127 0}{cmyk}{ } \0,,1,0}

```

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

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{ }{autofootnoterule}
1130 \eqcommand{ }{AutoMathsDigits}
1131 \eqcommand{ }{DefaultMathsDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{ }{deflatinfont}
1134 \eqcommand{ }{defpersianfont}
1135 \eqcommand{ }{hboxL}
1136 \eqcommand{ }{hboxR}
1137 \eqcommand{ }{Latincite}
1138 \eqcommand{ }{latinfont}
1139 \eqcommand{ }{latintoday}
1140 \eqcommand{ }{leftfootnoterule}
1141 \eqcommand{ }{lr}
1142 \eqcommand{ }{LRE}
1143 \eqcommand{ }{LTRdblcol}
1144 \eqcommand{ }{LTRfootnote}
1145 \eqcommand{ }{LTRfootnotetext}
1146 \eqcommand{ }{LTRthanks}
1147 \eqcommand{ }{persianday}
1148 \eqcommand{ }{persianfont}
1149 \eqcommand{ }{PersianMathsDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}
1155 \eqcommand{ }{rl}
1156 \eqcommand{ }{RLE}
1157 \eqcommand{ }{RTLdblcol}
1158 \eqcommand{ }{RTLfootnote}
1159 \eqcommand{ }{RTLfootnotetext}
1160 \eqcommand{ }{RTLthanks}
1161 \eqcommand{@ }{@SepMark}
1162 \eqcommand{ }{SepMark}
1163 \eqcommand{ }{setdefaultbibitems}
1164 \eqcommand{ }{setdefaultmarginpar}
1165 \eqcommand{ }{setmathdigitfont}
1166 \eqcommand{ }{setfootnoteLR}

```



```

1167 \eqcommand{           }\setfootnoterL}
1168 \eqcommand{           }\setlatintextfont}
1169 \eqcommand{           }\setLTR}
1170 \eqcommand{           }\setLTRbibitems}
1171 \eqcommand{           }\setLTRmarginpar}
1172 \eqcommand{           }\setRTL}
1173 \eqcommand{           }\setRTLbibitems}
1174 \eqcommand{           }\setRTLmarginpar}
1175 \eqcommand{           }\settextfont}
1176 \eqcommand{           }\settextwidthfootnoterule}
1177 \eqcommand{           }\settwocolumnstableofcontents}
1178 \eqcommand{           }\unsetfootnoterL}
1179 \eqcommand{           }\unsetLTR}
1180 \eqcommand{           }\unsetRTL}
1181 \eqcommand{           }\vboxL}
1182 \eqcommand{           }\vboxR}
1183 \eqcommand{           }\XeLaTeX}
1184 \eqcommand{           }\XePersian}
1185 \eqcommand{           }\xepersianversion}
1186 \eqcommand{           }\xepersiandate}
1187 \eqcommand{           }\XeTeX}

```

21 File enumerate-xepersian.def

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{%
1190   \ifx \entemp@ \def\@tempa{\@enLabel\harfi } \else
1191   \ifx \entemp@ \def\@tempa{\@enLabel\adadi } \else
1192   \ifx \entemp@ \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\@entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\@entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\@entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\@entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx 1\@entemp \def\@tempa{\@enLabel\arabic } \else
1198   \ifx \@sptoken\@entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\@entemp \let\@tempa\@enGroup \else
1200   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther
1202   \@enhook
1203   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1204   \@tempa}

```

## 22 File enumitem-xepersian.def

```

1205 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1206 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1207 \AddEnumerateCounter*\adadi\@adadi{999999999}
1208 \AddEnumerateCounter\harfi\@harfi{ }
1209 \AddEnumerateCounter\Abjad\@Abjad{ }
1210 \AddEnumerateCounter\abjad\@abjad{ }

```



```

1211 \SetEnumerateShortLabel{ }{\tartibi*}
1212 \SetEnumerateShortLabel{ }{\adadi*}
1213 \SetEnumerateShortLabel{ }{\harfi*}
1214 \SetEnumerateShortLabel{ }{\Abjad*}
1215 \SetEnumerateShortLabel{ }{\abjad*}

```

## 23 File latex-localise-environments-xepersian.def

```

1216 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation]
1217 \eqenvironment{ }{abstract}
1218 \eqenvironment{ }{appendix}
1219 \eqenvironment{ }{array}
1220 \eqenvironment{ }{center}
1221 \eqenvironment{ }{description}
1222 \eqenvironment{ }{displaymath}
1223 \eqenvironment{ }{document}
1224 \eqenvironment{ }{enumerate}
1225 \eqenvironment{ }{figure}
1226 \eqenvironment{ *}{figure*}
1227 \eqenvironment{ }{filecontents}
1228 \eqenvironment{ *}{filecontents*}
1229 \eqenvironment{ }{flushleft}
1230 \eqenvironment{ }{flushright}
1231 \eqenvironment{ }{itemize}
1232 \eqenvironment{ }{letter}
1233 \eqenvironment{ }{list}
1234 \eqenvironment{ }{longtable}
1235 \eqenvironment{ }{lrbox}
1236 \eqenvironment{ }{math}
1237 \eqenvironment{ }{matrix}
1238 \eqenvironment{ }{minipage}
1239 \eqenvironment{ }{multline}
1240 \eqenvironment{ }{note}
1241 \eqenvironment{ }{overlay}
1242 \eqenvironment{ }{picture}
1243 \eqenvironment{ }{quotation}
1244 \eqenvironment{ }{quote}
1245 \eqenvironment{ }{slide}
1246 \eqenvironment{ }{sloppypar}
1247 \eqenvironment{ }{split}
1248 \eqenvironment{ }{subarray}
1249 \eqenvironment{ }{tabbing}
1250 \eqenvironment{ }{table}
1251 \eqenvironment{ *}{table*}
1252 \eqenvironment{ }{tabular}
1253 \eqenvironment{ *}{tabular*}
1254 \eqenvironment{ }{thebibliography}
1255 \eqenvironment{ }{theindex}
1256 \eqenvironment{ }{titlepage}
1257 \eqenvironment{ }{trivlist}

```



```
1258 \eqenvironment{ }{verse}
```

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

```
1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
1260 \eqenvironment{ }{latin}
1261 \eqenvironment{ }{LTR}
1262 \eqenvironment{ }{LTRitems}
1263 \eqenvironment{ }{modernpoem}
1264 \eqenvironment{ *}{modernpoem*}
1265 \eqenvironment{ }{persian}
1266 \eqenvironment{ }{RTL}
1267 \eqenvironment{ }{RTLitems}
1268 \eqenvironment{ }{traditionalpoem}
1269 \eqenvironment{ *}{traditionalpoem*}
```

## 25 File extarticle-xepersian.def

```
1270 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1271 \renewcommand\thepart { \@tartibi\c@part}
1272 \renewcommand\appendix{\par
1273 \setcounter{section}{0}%
1274 \setcounter{subsection}{0}%
1275 \gdef\thesection{\@harfi\c@section}}
```

## 26 File extbook-xepersian.def

```
1276 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1277 \renewcommand\frontmatter{%
1278 \cleardoublepage
1279 \@mainmatterfalse
1280 \pagenumbering{harfi}}
1281 \renewcommand \thepart { \@tartibi\c@part}
1282 \renewcommand\appendix{\par
1283 \setcounter{chapter}{0}%
1284 \setcounter{section}{0}%
1285 \gdef\@chapapp{\appendixname}%
1286 \gdef\thechapter{\@harfi\c@chapter}
1287 }%end appendix
```

## 27 File extrafootnotefeatures-xepersian.def

```
1288 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1289 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1290 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1291 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

## 28 File extreport-xepersian.def

```
1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
```



```

1293 \renewcommand\thepart          {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295   \setcounter{chapter}{0}%
1296   \setcounter{section}{0}%
1297   \gdef\@chapapp{\appendixname}%
1298   \gdef\thechapter{\@harfi\c@chapter}}

```

## 29 File flowfram-xepersian.def

```

1299 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1300 \def\@outputpage{%
1301 \begingroup
1302   \let\protect\noexpand
1303   \@resetactivechars
1304   \global\let\@if@newlist@if@newlist
1305   \global\@newlistfalse\@parboxrestore
1306   \shipout\vbox{\set@typeset@protect
1307     \aftergroup
1308     \endgroup
1309     \aftergroup
1310     \set@typeset@protect
1311     \reset@font\normalsize\normalsfcodes
1312     \let\label\@gobble
1313     \let\index\@gobble
1314     \let\glossary\@gobble
1315     \baselineskip\z@skip
1316     \lineskip\z@skip
1317     \lineskiplimit\z@
1318     \vskip\topmargin\moveright\@themargin
1319     \vbox{%
1320       \vskip\headheight
1321       \vskip\headsep
1322       \box\@outputbox
1323     }}%
1324   \global\let@if@newlist\@if@newlist
1325   \stepcounter{page}%
1326   \setcounter{displayedframe}{0}%
1327   \let\firstmark\botmark}

```

## 30 File footnote-xepersian.def

```

1328 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1329
1330 \renewcommand*{\bidi@footnotetext@font}{\footnotesize@if@RTL@footnote\else\resetlatinfont\fi}
1331
1332 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1333
1334 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1335

```



### 31 File framed-xepersian.def

```
1336 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package f
1337 \renewenvironment{titled-frame}[1]{%
1338   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1339     \TitleBarFrame{\textbf{#1}}}%
1340   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1341     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1342   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1343     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@R
1344   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1345     \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1346   \MakeFramed{\advance\hsize-20pt \FrameRestore}%
1347 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1348 % could interfere with the width measurement.
1349 {\endMakeFramed}
```

### 32 File glossaries-xepersian.def

```
1350 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries p
1351 \glsaddprotectedpagefmt{@harfi}
1352 \glsaddprotectedpagefmt{@tartibi}
1353 \glsaddprotectedpagefmt{@adadi}
```

### 33 File hyperref-xepersian.def

```
1354 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1355 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1356 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1357 \def\itemautorefname{\if@RTL else\ item\fi}%
1358 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1359 \def\tableautorefname{\if@RTL else\ Table\fi}%
1360 \def\partautorefname{\if@RTL else\ Part\fi}%
1361 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1362 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1363 \def\sectionautorefname{\if@RTL else\ section\fi}%
1364 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1365 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1366 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1367 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1368 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1369 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1370 \def\pageautorefname{\if@RTL else\ page\fi}%
1371 \AtBeginDocument{%
1372 \let\HyOrg@appendix\appendix
1373 \def\appendix{%
1374   \ltx@ifundefined{chapter}%
1375     {\gdef\theHsection{\Alph{section}}}%
1376     {\gdef\theHchapter{\Alph{chapter}}}%
1377   \xdef\Hy@chapapp{\Hy@appendixstring}%

```





```

1378 \HyOrg@appendix
1379 }
1380 }
1381 \pdfstringdefDisableCommands{%
1382 \let\lr\@firstofone
1383 \let\rl\@firstofone
1384 \def\XePersian{\XePersian}
1385 }
1386 \ltx@ifundefined{@resets@pp}{%
1387 }{%
1388 \let\HyOrg@resets@pp\@resets@pp
1389 \def\@resets@pp{%
1390 \ltx@ifundefined{chapter}{%
1391 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1392 }{%
1393 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1394 }%
1395 \xdef\Hy@chapapp{\Hy@appendixstring}%
1396 \HyOrg@resets@pp
1397 }%
1398 }

```

## 34 File `imsproc-xepersian.def`

```

1399 \ProvidesFile{imsproc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc class f
1400
1401 \renewcommand \thepart {\@tartibi\c@part}
1402 \def\appendix{\par\c@section\z@ \c@subsection\z@
1403 \let\sectionname\appendixname
1404 \def\thesection{\@harfi\c@section}}
1405

```

## 35 File `kashida-xepersian.def`

```

1406 \ProvidesFile{kashida-xepersian.def}[2018/01/04 v0.6 implementation of Kashida for xepersian p
1407 \chardef\xepersian@zwj="200D % zero-width joiner
1408 \chardef\xepersian@kashidachar="0640 % kashida
1409
1410 \chardef\xepersian@D=10 % dual-joiner class
1411 \chardef\xepersian@L=11 % lam
1412 \chardef\xepersian@R=12 % right-joiner
1413 \chardef\xepersian@A=13 % alef
1414 \chardef\xepersian@H=14 % heh
1415 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1416 \newif\if@Kashida@on
1417 \newif\if@Kashida@XB@fix
1418 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1419 \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@kashidachar dep
1420
1421 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1422 \expandafter\dosetclass\charlist,\end}
1423 \def\dosetclass#1,#2\end{%
1424 \def\test{#1}\def\charlist{#2}%
1425 \ifx\test\empty\let\next\finishsetclass
1426 \else \XeTeXcharclass "\test = \theclass
1427 \let\next\dosetclass \fi
1428 \expandafter\next\charlist,,\end}
1429 \def\finishsetclass#1,,\end{}
1430
1431 \setclass \xepersian@A {0622,0623,0625,0627}
1432 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1433 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1434 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1435 %\setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1436 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0649,064A}
1437 \setclass \xepersian@H {0647}
1438 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1439 \setclass \xepersian@L {0644}
1440 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1441
1442 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1443 \XeTeXinterchartoks \xepersian@H \xepersian@D = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1444 \XeTeXinterchartoks \xepersian@D \xepersian@H = {\xepersian@kashida}
1445 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1446 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1447 \XeTeXinterchartoks \xepersian@L \xepersian@H = {\xepersian@kashida}
1448 \XeTeXinterchartoks \xepersian@H \xepersian@L = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1449 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1450 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1451 \XeTeXinterchartoks \xepersian@H \xepersian@R = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1452 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1453 \XeTeXinterchartoks \xepersian@H \xepersian@A = {\if@Kashida@XB@fix\else\xepersian@kashida\fi}
1454 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1455 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1456
1457 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1458 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1459
1460 \newcommand{\KashidaXBFixOn}{\@Kashida@XB@fixtrue}
1461 \newcommand{\KashidaXBFixOff}{\@Kashida@XB@fixfalse}
1462 \KashidaOn

```

## 36 File listings-xepersian.def

```

1463 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1464 \def\lstlistingname{\if@RTL else\ Listing\fi}
1465 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

## 37 File loadingorder-xepersian.def



```

1466 \ProvidesFile{loadingorder-xepersian.def}[2017/09/06 v0.4 making sure that xepersian is the la
1467 \bidi@isloaded{algorithmic}
1468 \bidi@isloaded{algorithm}
1469 \bidi@isloaded{backref}
1470 \bidi@isloaded{enumerate}
1471 \bidi@isloaded{enumitem}
1472 \bidi@isloaded{tocloft}
1473 \bidi@isloaded{url}
1474 \AtBeginDocument{
1475   \if@bidi@algorithmicloaded@ \else
1476     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1477   \fi%
1478   \if@bidi@algorithmloaded@ \else
1479     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1480   \fi%
1481   \if@bidi@backrefloaded@ \else
1482     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1483   \fi%
1484   \if@bidi@enumerateloaded@ \else
1485     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1486   \fi%
1487   \if@bidi@enumitemloaded@ \else
1488     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1489   \fi%
1490   \if@bidi@tocloftloaded@ \else
1491     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1492   \fi%
1493   \if@bidi@urlloaded@ \else
1494     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1495   \fi%
1496 }

```

### 38 File localise-xepersian.def

```

1497 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1498 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1499 \makezwnjletter
1500 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1501 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1502 \@ifpackageloaded{keyval}{%
1503 \newcommand*{keyval@eq@alias@key}[4][KV]{%
1504   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1505   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1506 }{\@ifpackageloaded{xkeyval}{%
1507 \newcommand*{keyval@eq@alias@key}[4][KV]{%
1508   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1509   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1510 }{}}
1511 \input{latex-localise-commands-xepersian.def}
1512 \input{xepersian-localise-commands-xepersian.def}

```



```

1513 \input{latex-localise-environments-xepersian.def}
1514 \input{xepersian-localise-environments-xepersian.def}
1515 \input{latex-localise-messages-xepersian.def}
1516 \input{latex-localise-misc-xepersian.def}
1517 \input{packages-localise-xepersian.def}
1518 \aliasfontfeature{ExternalLocation}{ }
1519 \aliasfontfeature{ExternalLocation}{ }
1520 \aliasfontfeature{Renderer}{ }
1521 \aliasfontfeature{BoldFont}{ }
1522 \aliasfontfeature{Language}{ }
1523 \aliasfontfeature{Script}{ }
1524 \aliasfontfeature{UprightFont}{ }
1525 \aliasfontfeature{ItalicFont}{ }
1526 \aliasfontfeature{BoldItalicFont}{ }
1527 \aliasfontfeature{SlantedFont}{ }
1528 \aliasfontfeature{BoldSlantedFont}{ }
1529 \aliasfontfeature{SmallCapsFont}{ }
1530 \aliasfontfeature{UprightFeatures}{ }
1531 \aliasfontfeature{BoldFeatures}{ }
1532 \aliasfontfeature{ItalicFeatures}{ }
1533 \aliasfontfeature{BoldItalicFeatures}{ }
1534 \aliasfontfeature{SlantedFeatures}{ }
1535 \aliasfontfeature{BoldSlantedFeatures}{ }
1536 \aliasfontfeature{SmallCapsFeatures}{ }
1537 \aliasfontfeature{SizeFeatures}{ }
1538 \aliasfontfeature{Scale}{ }
1539 \aliasfontfeature{WordSpace}{ }
1540 \aliasfontfeature{PunctuationSpace}{ }
1541 \aliasfontfeature{FontAdjustment}{ }
1542 \aliasfontfeature{LetterSpace}{ }
1543 \aliasfontfeature{HyphenChar}{ }
1544 \aliasfontfeature{Color}{ }
1545 \aliasfontfeature{Opacity}{ }
1546 \aliasfontfeature{Mapping}{ }
1547 \aliasfontfeature{Weight}{ }
1548 \aliasfontfeature{Width}{ }
1549 \aliasfontfeature{OpticalSize}{ }
1550 \aliasfontfeature{FakeSlant}{ }
1551 \aliasfontfeature{FakeStretch}{ }
1552 \aliasfontfeature{FakeBold}{ }
1553 \aliasfontfeature{AutoFakeSlant}{ }
1554 \aliasfontfeature{AutoFakeBold}{ }
1555 \aliasfontfeature{Ligatures}{ }
1556 \aliasfontfeature{Alternate}{ }
1557 \aliasfontfeature{Variant}{ }
1558 \aliasfontfeature{Variant}{ }
1559 \aliasfontfeature{CharacterVariant}{ }
1560 \aliasfontfeature{Style}{ }
1561 \aliasfontfeature{Annotation}{ }
1562 \aliasfontfeature{RawFeature}{ }

```



```

1563 \aliasfontfeature{CharacterWidth}{      }
1564 \aliasfontfeature{Numbers}{      }
1565 \aliasfontfeature{Contextuals}{      }
1566 \aliasfontfeature{Diacritics}{      }
1567 \aliasfontfeature{Letters}{      }
1568 \aliasfontfeature{Kerning}{      }
1569 \aliasfontfeature{VerticalPosition}{      }
1570 \aliasfontfeature{Fractions}{      }
1571 \aliasfontfeatureoption{Language}{Default}{      }
1572 \aliasfontfeatureoption{Language}{Parsi}{      }
1573 \aliasfontfeatureoption{Script}{Parsi}{      }
1574 \aliasfontfeatureoption{Script}{Latin}{      }
1575 \aliasfontfeatureoption{Style}{MathScript}{      }
1576 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

### 39 File memoir-xepersian.def

```

1577 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1578 \renewcommand{\@memfront}{%
1579   \@smemfront\pagenumbering{harfi}}
1580 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1581 \renewcommand*{\thebook}{\@tartibi\c@book}
1582 \renewcommand*{\thepart}{\@tartibi\c@part}
1583 \renewcommand{\appendix}{\par
1584   \setcounter{chapter}{0}%
1585   \setcounter{section}{0}%
1586   \gdef\@chapapp{\appendixname}%
1587   \gdef\thechapter{\@harfi\c@chapter}%
1588   \anappendixtrue}

```

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

```

1589 latex}          \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 41 File minitoc-xepersian.def

```

1590 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1591 \def\ptctitle{\if@RTL else\   Table of Contents\fi}%
1592 \def\plftitle{\if@RTL else\   List of Figures\fi}%
1593 \def\pltttitle{\if@RTL else\   List of Tables\fi}%
1594 \def\mtctitle{\if@RTL else\   Contents\fi}%
1595 \def\mlftitle{\if@RTL else\   Figures\fi}%
1596 \def\mltttitle{\if@RTL else\   Tables\fi}%
1597 \def\stctitle{\if@RTL else\   Contents\fi}%
1598 \def\slftitle{\if@RTL else\   Figures\fi}%
1599 \def\sltttitle{\if@RTL else\   Tables\fi}%

```

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

```

1600 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis

```



```

1601 %}1# \ \
1602 \@ \ @ \ \
1603 \1# \
1604 \1# @\
1605 \1# @\
1606 {@ \ \
1607 %}2#1# @\ \
1608 %1# \ @\ \ \ \
1609 \2# \ @\ \
1610 {{2#1# \}}
1611 undefined\ \ \
1612
1613 %{\ \ \ \ \1#} \ \} \1# \ \
1614 \ { \ \ \
1615 \ \ \
1616
1617
1618 \ \ \ \%} \#1
1619 \1#} \ \ \% \
1620 \ \ \ \
1621 }%
1622 \
1623 \ \ \ \
1624 }
1625 \= \ \
1626
1627
1628 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1629 \def\@xfloat #1[#2]{%
1630 \nodocument
1631 \def \@capttype {#1}%
1632 \def \@fps {#2}%
1633 \@onelevel@sanitize \@fps
1634 \def \reserved@b {!}%
1635 \ifx \reserved@b \@fps
1636 \@fpsadddefault
1637 \else
1638 \ifx \@fps \empty
1639 \@fpsadddefault
1640 \fi
1641 \fi
1642 \ifhmode
1643 \@bsphack
1644 \@floatpenalty -\@Mii
1645 \else
1646 \@floatpenalty -\@Miii
1647 \fi
1648 \ifinner
1649 \@parmoderr\@floatpenalty\z@
1650 \else

```



```

1651 \@next\@currbox\@freelist
1652 {%
1653   \@tempcnta \sixt@@n
1654   \expandafter \@tfor \expandafter \reserved@a
1655   \expandafter :\expandafter =\@fps
1656   \do
1657   {%
1658     \if \reserved@a h%
1659     \ifodd \@tempcnta
1660     \else
1661       \advance \@tempcnta \@ne
1662     \fi
1663   \fi
1664   \if \reserved@a %
1665   \ifodd \@tempcnta
1666   \else
1667     \advance \@tempcnta \@ne
1668   \fi
1669 \fi
1670 \if \reserved@a t%
1671 \@setfpsbit \tw@
1672 \fi
1673 \if \reserved@a %
1674 \@setfpsbit \tw@
1675 \fi
1676 \if \reserved@a b%
1677 \@setfpsbit 4%
1678 \fi
1679 \if \reserved@a %
1680 \@setfpsbit 4%
1681 \fi
1682 \if \reserved@a p%
1683 \@setfpsbit 8%
1684 \fi
1685 \if \reserved@a %
1686 \@setfpsbit 8%
1687 \fi
1688 \if \reserved@a !%
1689 \ifnum \@tempcnta>15
1690 \advance\@tempcnta -\sixt@@n\relax
1691 \fi
1692 \fi
1693 }%
1694 \@tempcntb \csname ftype@\@captype \endcsname
1695 \multiply \@tempcntb \@xxxii
1696 \advance \@tempcnta \@tempcntb
1697 \global \count\@currbox \@tempcnta
1698 }%
1699 \@fltovf
1700 \fi

```



```

1701 \global \setbox\@currbox
1702 \color@vbox
1703 \normalcolor
1704 \vbox \bgroup
1705 \hsize\columnwidth
1706 \@parboxrestore
1707 \@floatboxreset
1708 }
1709 \let\bm@ \bm@c
1710 \let\bm@ \bm@l
1711 \let\bm@ \bm@r
1712 \let\bm@ \bm@b
1713 \let\bm@ \bm@t
1714 \let\bm@ \bm@s
1715 \long\def\@iiparbox#1#2[#3]#4#5{%
1716 \leavevmode
1717 \@pboxswfalse
1718 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1719 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1720 \setlength\@tempdima{#4}%
1721 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1722 \ifx\relax#2\else
1723 \setlength\@tempdimb{#2}%
1724 \edef\@parboxto{to\the\@tempdimb}%
1725 \fi
1726 \if#1b\vbox
1727 \else\if#1\vbox
1728 \else\if #1t\top
1729 \else\if vtop\ #1
1730 \else\if mmode\center
1731 \else\@pboxswtrue $\center
1732 \fi\fi\fi\fi\fi
1733 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1734 \csname bm@#3\endcsname}%
1735 \if@pboxsw \m@th$\fi
1736 \@end@tempboxa}
1737 \def\@iiiminipage#1#2[#3]#4{%
1738 \leavevmode
1739 \@pboxswfalse
1740 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1741 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1742 \setlength\@tempdima{#4}%
1743 \def\@mpargs{{#1}{#2}[#3]{#4}}%
1744 \setbox\@tempboxa\vbox\bgroup
1745 \color@begingroup
1746 \hsize\@tempdima
1747 \textwidth\hsize \columnwidth\hsize
1748 \@parboxrestore
1749 \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1750 \let\@footnotetext\@mpfootnotetext

```





```

1751 \let\@LTRfootnotetext\@mpLTRfootnotetext
1752 \let\@RTLfootnotetext\@mpRTLfootnotetext
1753 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1754 \@minipagerestore
1755 \setminipage}
1756 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1757 \ifnum \@lastchclass=3 5 \else
1758 \z@ \if #1c\@chnum \z@ \else
1759 \if chnum@ \#1 \z@ \else
1760 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1761 \if \if@RTLtab#1\else#1\fi\@chnum \@ne \else
1762 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1763 \if \if@RTLtab#1\else#1\fi\@chnum \tw@ \else
1764 \@chclass \if #1|\@ne \else
1765 \if #1@\tw@ \else
1766 \if #1p3 \else
1767 \if 3 #1 \else \z@ \@preamerr 0\fi
1768 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1769 \fi}%
1770 }{}
1771 \ifdefinitionfileloaded{array-xetex-bidi}{%
1772 \def\@testpach{\@chclass
1773 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1774 \ifnum \@lastchclass=7 5 \else
1775 \ifnum \@lastchclass=8 \tw@ \else
1776 \ifnum \@lastchclass=9 \thr@@
1777 \else \z@
1778 \ifnum \@lastchclass = 10 \else
1779 \edef\@nextchar{\expandafter\string\@nextchar}%
1780 \@chnum
1781 \if \@nextchar c\z@ \else
1782 \if \@nextchar @z\ \else
1783 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1784 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1785 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1786 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1787 \z@ \@chclass
1788 \if \@nextchar |\@ne \else
1789 \if \@nextchar !6 \else
1790 \if \@nextchar @7 \else
1791 \if \@nextchar <8 \else
1792 \if \@nextchar >9 \else
1793 10
1794 \@chnum
1795 \if \@nextchar m\thr@@\else
1796 \if \@nextchar thr@@\else\
1797 \if \@nextchar p4 \else
1798 \if \@nextchar 4 \else
1799 \if \@nextchar b5 \else
1800 \if \@nextchar 5 \else

```



```

1801 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1802 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1803 }{}
1804 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1805 \ifadl@usingarypkg
1806 \def\@testpach{\@chclass
1807 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1808 \ifnum \@lastchclass=7 5 \else
1809 \ifnum \@lastchclass=8 \tw@ \else
1810 \ifnum \@lastchclass=9 \thr@@
1811 \else \z@
1812 \ifnum \@lastchclass = 10 \else
1813 \edef\@nextchar{\expandafter\string\@nextchar}%
1814 \@chnum
1815 \if \@nextchar c\z@ \else
1816 \if \@nextchar @z\ \else
1817 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1818 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1819 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1820 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1821 \z@ \@chclass
1822 \if \@nextchar | \@ne \let\@arrayrule\adl@arrayrule \else
1823 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1824 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1825 \if \@nextchar !6 \else
1826 \if \@nextchar @7 \else
1827 \if \@nextchar <8 \else
1828 \if \@nextchar >9 \else
1829 10
1830 \@chnum
1831 \if \@nextchar m\thr@@\else
1832 \if \@nextchar thr@@\else\
1833 \if \@nextchar p4 \else
1834 \if \@nextchar 4 \else
1835 \if \@nextchar b5 \else
1836 \if \@nextchar 5 \else
1837 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1838 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1839
1840 \def\@classz{\@classx
1841 \@tempcnta \count@
1842 \prepnext@tok
1843 \@addtopreamble{\ifcase \@chnum
1844 \hfil
1845 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1846 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1847 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1848 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1849 \adl@endmbox\or
1850 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or

```



```

1851 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1852 \fi}\prepnext@tok}
1853 \def\adl@class@start{4}
1854 \def\adl@class@iiiorvii{7}
1855
1856 \else
1857 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1858 \ifnum \@lastchclass=\thr@@ 5\relax \else
1859 \z@ \if #1c\@chnum \z@ \else
1860 \if @chnum\z@ #1 \else
1861 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1862 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1863 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1864 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1865 \@chclass
1866 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1867 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1868 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1869 \if #1@ \tw@ \else
1870 \if #1p\thr@@ \else
1871 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
1872 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1873
1874 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1875 \or \or \@addamp \or
1876 \@acolampacol \or \@firstampfalse \@acol \fi
1877 \edef\@preamble{\@preamble
1878 \ifcase \@chnum
1879 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1880 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1881 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1882 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1883 \or \or \@addamp \or
1884 \@acolampacol \or \@firstampfalse \@acol \fi
1885 \edef\@preamble{\@preamble
1886 \ifcase \@chnum
1887 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1888 \or \adl@putlrc{\@sharp\unskip}\hfil
1889 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1890 \def\adl@class@start{6}
1891 \def\adl@class@iiiorvii{3}
1892 \fi
1893 }{}
1894 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1895 \def\@testpach{\@chclass
1896 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1897 \ifnum \@lastchclass=7 5 \else
1898 \ifnum \@lastchclass=8 \tw@ \else
1899 \ifnum \@lastchclass=9 \thr@@
1900 \else \z@

```



```

1901 \ifnum \@lastchclass = 10 \else
1902 \edef\@nextchar{\expandafter\string\@nextchar}%
1903 \@chnum
1904 \if \@nextchar c\z@ \else
1905 \if \@nextchar @z\ \else
1906 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1907 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1908 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1909 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1910 \if \@nextchar C7 \else
1911 \if \@nextchar 7 \else
1912 \if \@nextchar L8 \else
1913 \if \@nextchar 8 \else
1914 \if \@nextchar R9 \else
1915 \if \@nextchar 9 \else
1916 \if \@nextchar J10 \else
1917 \if \@nextchar 10 \else
1918 \z@ \@chclass
1919 \if\@nextchar |\@ne \else
1920 \if \@nextchar !6 \else
1921 \if \@nextchar @7 \else
1922 \if \@nextchar <8 \else
1923 \if \@nextchar >9 \else
1924 10
1925 \@chnum
1926 \if \@nextchar m\thr@@\else
1927 \if \@nextchar thr@@\else\
1928 \if \@nextchar p4 \else
1929 \if \@nextchar4 \else
1930 \if \@nextchar b5 \else
1931 \if \@nextchar 5 \else
1932 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi\fi \fi \fi\fi \fi \fi \fi \fi \fi \fi \fi \fi
1933 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1934 }{}
1935 \ifdefinitionfileloaded{float-xetex-bidi}{%
1936 \let\@float@Hx\@xfloat
1937 \def\@xfloat#1[{\@ifnextchar{H}{\@float@HH{#1}}]{\@ifnextchar{ }{\@float@{1#} }{\@float@Hx{#1}}
1938 \def\@float@HH#1[H]{%
1939 \expandafter\let\csname end#1\endcsname\float@endH
1940 \let\@currbox\float@box
1941 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}}%
1942 \expandafter\ifx\csname fst@#1\endcsname\relax
1943 \@flstylefalse\else\@flstyletrue\fi
1944 \setbox\@currbox\color@vbox\normalcolor
1945 \vbox\bgroup \hsize\columnwidth \@parboxrestore
1946 \@floatboxreset \@setnobreak
1947 \ignorespaces}
1948 \def\@float@[ ]1# {%
1949 \expandafter\let\csname end#1\endcsname\float@endH
1950 \let\@currbox\float@box

```



```

1951 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
1952 \expandafter\ifx\csname fst@#1\endcsname\relax
1953 \ifstylefalse\else\ifstyletrue\fi
1954 \setbox\@currbox\color\vbox\normalcolor
1955 \vbox\bgroup \hsize\columnwidth \@parboxrestore
1956 \floatboxreset \@setnobreak
1957 \ignorespaces}
1958 }{}
1959 \begingroup \catcode `|=0 \catcode `|=1
1960 \catcode`=2 \catcode `={12 \catcode `}=12
1961 \catcode`\=12 \gdef\@x@xepersian@localize@verbatim#1[[ ] |1#]{ }
1962 \gdef\@sx@xepersian@localize@verbatim#1[[* ] |1#]{* }
1963 \endgroup
1964 \def\@frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
1965 \def\end\@ifnewlist \leavevmode\fi\endtrivlist}
1966 \ExplSyntaxOn
1967 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
1968 \ExplSyntaxOff
1969 \expandafter\let\csname end * \endcsname =\end

```

## 43 File natbib-xepersian.def

```

1970 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1971 \renewcommand\NAT@set@cites{%
1972 \ifNAT@numbers
1973 \ifNAT@super \let\@cite\NAT@citesuper
1974 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1975 \let\citeyearpar=\citeyear
1976 \let\NAT@space\relax
1977 \def\NAT@super@kern{\kern{p}}%
1978 \else
1979 \let\NAT@mbox=\mbox
1980 \let\@cite\NAT@citenum
1981 \let\NAT@space\NAT@spacechar
1982 \let\NAT@super@kern\relax
1983 \fi
1984 \let\@citex\NAT@citexnum
1985 \let\@Latincitex\NAT@Latin@citexnum
1986 \let\@biblabel\NAT@biblabelnum
1987 \let\@bibsetup\NAT@bibsetnum
1988 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1989 \def\natexlab##1{%
1990 \def\NAT@penalty{\penalty\@m}%
1991 \else
1992 \let\@cite\NAT@cite
1993 \let\@citex\NAT@citex
1994 \let\@Latincitex\NAT@Latin@citex
1995 \let\@biblabel\NAT@biblabel
1996 \let\@bibsetup\NAT@bibsetup
1997 \let\NAT@space\NAT@spacechar

```



```

1998 \let\NAT@penalty\@empty
1999 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2000 \def\natexlab##1{##1}%
2001 \fi}
2002 \newcommand\NAT@Latin@citex{}
2003 \def\NAT@Latin@citex%
2004   [#1] [#2] #3{%
2005   \NAT@reset@parser
2006   \NAT@sort@cites{#3}%
2007   \NAT@reset@citea
2008   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2009     \@for\@citeb:=\NAT@cite@list\do
2010       {\@safe@activestrue
2011         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2012         \@safe@activesfalse
2013         \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2014           {\reset@font\bfseries ?}\NAT@citeundefined
2015             \PackageWarning{natbib}%
2016             {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}}%
2017         {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2018           \NAT@parse{\@citeb}%
2019           \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2020             \let\NAT@name=\NAT@all@names
2021             \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2022           \fi
2023           \ifNAT@full\let\NAT@nm\NAT@all@names\else
2024             \let\NAT@nm\NAT@name\fi
2025           \ifNAT@swa\ifcase\NAT@ctype
2026             \if\relax\NAT@date\relax
2027               \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2028             \else
2029               \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2030                 \ifx\NAT@last@yr\NAT@year
2031                   \def\NAT@temp{?}%
2032                   \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2033                     {Multiple citation on page \thepage: same authors and
2034                     year\MessageBreak without distinguishing extra
2035                     letter,\MessageBreak appears as question mark}\fi
2036                   \NAT@hyper@{\NAT@exlab}%
2037                 \else\unskip\NAT@spacechar
2038                   \NAT@hyper@{\NAT@date}%
2039                 \fi
2040               \else
2041                 \@citea\NAT@hyper@{%
2042                   \NAT@nmfmt{\NAT@nm}%
2043                   \hyper@natlinkbreak{%
2044                     \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2045                     }%
2046                   \NAT@date
2047                 }%

```



```

2048         \fi
2049     \fi
2050     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2051     \or\@citea\NAT@hyper@{\NAT@date}%
2052     \or\@citea\NAT@hyper@{\NAT@alias}%
2053     \fi \NAT@def@citea
2054 \else
2055     \ifcase\NAT@ctype
2056     \if\relax\NAT@date\relax
2057         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2058     \else
2059         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2060             \ifx\NAT@last@yr\NAT@year
2061                 \def\NAT@temp{{?}}%
2062                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2063                     {Multiple citation on page \thepage: same authors and
2064                     year\MessageBreak without distinguishing extra
2065                     letter,\MessageBreak appears as question mark}\fi
2066                 \NAT@hyper@{\NAT@exlab}%
2067             \else
2068                 \unskip\NAT@spacechar
2069                 \NAT@hyper@{\NAT@date}%
2070             \fi
2071         \else
2072             \@citea\NAT@hyper@{%
2073                 \NAT@nmfmt{\NAT@nm}%
2074                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2075                 {\@citeb\@extra@b@citeb}%
2076                 \NAT@date
2077             }%
2078         \fi
2079     \fi
2080     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2081     \or\@citea\NAT@hyper@{\NAT@date}%
2082     \or\@citea\NAT@hyper@{\NAT@alias}%
2083     \fi
2084     \if\relax\NAT@date\relax
2085         \NAT@def@citea
2086     \else
2087         \NAT@def@citea@close
2088     \fi
2089 \fi
2090 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2091 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2092 \newcommand\NAT@Latin@citexnum{}
2093 \def\NAT@Latin@citexnum[#1][#2]#3{%
2094     \NAT@reset@parser
2095     \NAT@sort@cites{#3}%
2096     \NAT@reset@citea
2097     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty

```



```

2098 \@for\@citeb:=\NAT@cite@list\do
2099 {\@safe@activetrue
2100 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2101 \@safe@activesfalse
2102 \@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2103   {\reset@font\bfseries?}
2104   \NAT@citeundefined\PackageWarning{natbib}%
2105   {Citation ``\@citeb' on page \thepage \space undefined}}%
2106 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2107 \NAT@parse{\@citeb}%
2108 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2109   \let\NAT@name=\NAT@all@names
2110   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2111 \fi
2112 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2113   \let\NAT@nm\NAT@name\fi
2114 \ifNAT@swa
2115   \@ifnum{\NAT@cotype>\@ne}{%
2116     \citea
2117     \NAT@hyper@{\@ifnum{\NAT@cotype=\tw@}{\NAT@test{\NAT@cotype}}{\NAT@alias}}%
2118   }{%
2119     \@ifnum{\NAT@cmprs>\z@}{%
2120       \NAT@ifcat@num\NAT@num
2121       {\let\NAT@nm=\NAT@num}%
2122       {\def\NAT@nm{-2}}%
2123       \NAT@ifcat@num\NAT@last@num
2124       {\@tempcnta=\NAT@last@num\relax}%
2125       {\@tempcnta\m@ne}%
2126       \@ifnum{\NAT@nm=\@tempcnta}{%
2127         \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2128       }{%
2129         \advance\@tempcnta by\@ne
2130         \@ifnum{\NAT@nm=\@tempcnta}{%
2131           \ifx\NAT@last@yr\relax
2132             \def\NAT@last@yr{\@citea}%
2133           \else
2134             \def\NAT@last@yr{--\NAT@penalty}%
2135           \fi
2136         }{%
2137           \NAT@last@yr@mbox
2138         }%
2139       }%
2140     }{%
2141       \@tempswatrue
2142       \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}%
2143       \if@tempswa\NAT@citea@mbox\fi
2144     }%
2145   }%
2146   \NAT@def@citea
2147 \else

```





```

2148 \ifcase\NAT@ctype
2149 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2150 \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2151 \fi
2152 \if*#1*\else#1\NAT@spacechar\fi
2153 \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2154 \NAT@def@citea@box
2155 \or
2156 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2157 \or
2158 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2159 \or
2160 \NAT@hyper@citea@space\NAT@alias
2161 \fi
2162 \fi
2163 }%
2164 }%
2165 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2166 \ifNAT@swa\else
2167 \@ifnum{\NAT@ctype=\z@}{%
2168 \if*#2*\else\NAT@cmt#2\fi
2169 }{}%
2170 \NAT@mbox{\NAT@@close}%
2171 \fi
2172 }{\#1}{\#2}%
2173 }%
2174 \AtBeginDocument{\NAT@set@cites}
2175 \DeclareRobustCommand\Latincite
2176 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2177 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2178 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2179 \ifNAT@numbers\else
2180 \NAT@swafalse
2181 \fi
2182 \NAT@@Latin@@citetp[]}}
2183 \newcommand\NAT@@Latin@@citetp{}
2184 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 44 File packages-localise-xepersian.def

```

2185 packages} \-localise-xepersian.def[2013/04/24 v0.2 localising LaTeX2e Packages]
2186 color} \}{color} @\-localise-xepersian.def}}{}
2187 \@ifpackageloaded{multicol}{%
2188 \newenvironment{ }{\begin{multicols}}{\end{multicols}}}%
2189 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}}%
2190 {}{}
2191 \@ifpackageloaded{verbatim}{%
2192 \begingroup
2193 \vrb@catcodes
2194 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`\}

```



```

2195 \catcode\~=\active \lccode\~=\^^M
2196 \lccode\C=\C
2197 \lowercase{\endgroup
2198 \def\xepersian@localize@verbatim@start#1{%
2199 \verbatim@startline
2200 \if\noexpand#1\noexpand~%
2201 \let\next\xepersian@localize@verbatim@
2202 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2203 \next}%
2204 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2205 \def\xepersian@localize@verbatim@@#1! {%
2206 \verbatim@addtoline{#1}%
2207 \futurelet\next\xepersian@localize@verbatim@@}%
2208 \def\xepersian@localize@verbatim@@@#1\@nil{%
2209 \ifx\next\@nil
2210 \verbatim@processline
2211 \verbatim@startline
2212 \let\next\xepersian@localize@verbatim@
2213 \else
2214 \def\@tempa##1! \@nil{##1}%
2215 \@temptokena{! }%
2216 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2217 \fi \next}%
2218 \def\xepersian@localize@verbatim@test#1{%
2219 \let\next\xepersian@localize@verbatim@test
2220 \if\noexpand#1\noexpand~%
2221 \expandafter\verbatim@addtoline
2222 \expandafter{\the\@temptokena}%
2223 \verbatim@processline
2224 \verbatim@startline
2225 \let\next\xepersian@localize@verbatim@
2226 \else \if\noexpand#1
2227 \@temptokena\expandafter{\the\@temptokena#1}%
2228 \else \if\noexpand#1\noexpand[%
2229 \let\@tempc\@empty
2230 \let\next\xepersian@localize@verbatim@testend
2231 \else
2232 \expandafter\verbatim@addtoline
2233 \expandafter{\the\@temptokena}%
2234 \def\next{\xepersian@localize@verbatim@#1}%
2235 \fi\fi\fi
2236 \next}%
2237 \def\xepersian@localize@verbatim@testend#1{%
2238 \if\noexpand#1\noexpand~%
2239 \expandafter\verbatim@addtoline
2240 \expandafter{\the\@temptokena[]}%
2241 \expandafter\verbatim@addtoline
2242 \expandafter{\@tempc}%
2243 \verbatim@processline
2244 \verbatim@startline

```



```

2245         \let\next\xepersian@localize@verbatim@
2246     \else\if\noexpand#1\noexpand]%
2247         \let\next\xepersian@localize@verbatim@@testend
2248     \else\if\noexpand#1\noexpand!%
2249         \expandafter\verbatim@addtoline
2250         \expandafter{\the\@temptokena[]}%
2251         \expandafter\verbatim@addtoline
2252         \expandafter{\@tempc}%
2253         \def\next{\xepersian@localize@verbatim@!}%
2254     \else \expandafter\def\expandafter\@tempc\expandafter
2255         {\@tempc#1}\fi\fi\fi
2256     \next}%
2257 \def\xepersian@localize@verbatim@@testend{%
2258     \ifx\@tempc\@currentvir
2259         \verbatim@finish
2260         \edef\next{\noexpand\end{\@currentvir}}%
2261         \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2262     \else
2263         \expandafter\verbatim@addtoline
2264         \expandafter{\the\@temptokena[]}%
2265         \expandafter\verbatim@addtoline
2266         \expandafter{\@tempc}%
2267         \let\next\xepersian@localize@verbatim@
2268     \fi
2269     \next}%
2270 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2271     \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2272 \def\
2273     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2274     \xepersian@localize@verbatim@start}
2275 \@namedef{
2276     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2277 \def\end
2278     {\endtrivlist\endgroup\@doendpe}
2279 \expandafter\let\csname end
2280     *\endcsname =\end
2281 }-{}
2282 \ExplSyntaxOn
2283 \AtBeginDocument{
2284     \xepersian_localize_patch_verbatim:
2285 }
2286 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2287     \@ifpackageloaded{verbatim}{
2288         \cs_set:cpn {*
2289             } }
2290         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2291     }
2292 }{
2293 }
2294 }
2295 \ExplSyntaxOff
2296 \@ifpackageloaded{graphicx}{%
2297 \def\Gin@boolkey#1#2{%
2298 \expandafter\ifdefinable \csname Gin@#2 \endcsname{%
2299 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%

```



```

2295 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2296 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2297 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2298 \define@key{Grot}{origin}[c]{%
2299 \@tfor\@tempa:=#1\do{%
2300 \if l\@tempa \Grot@x\z@\else
2301 \if tempa@ \Grot@x\z@\else
2302 \if r\@tempa \Grot@x\width\else
2303 \if tempa@ \Grot@x\width\else
2304 \if t\@tempa \Grot@y\height\else
2305 \if tempa@ \Grot@y\height\else
2306 \if b\@tempa \Grot@y-\depth\else
2307 \if tempa@ \Grot@y-\depth\else
2308 \if B\@tempa \Grot@y\z@\else
2309 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2310 {draft}{ }{Gin} @ \
2311 {origin}{ }{Gin} @ \
2312 {origin}{ }{Grot} @ \
2313 {clip}{ }{Gin} @ \
2314 {keepaspectratio}{ }{Gin} @ \
2315 {natwidth}{ }{Gin} @ \
2316 {natheight}{ }{Gin} @ \
2317 {bb}{ }{Gin} @ \
2318 {viewport}{ }{Gin} @ \
2319 {trim}{ }{Gin} @ \
2320 {angle}{ }{Gin} @ \
2321 {width}{ }{Gin} @ \
2322 {height}{ }{Gin} @ \
2323 {totalheight}{ }{Gin} @ \
2324 {scale}{ }{Gin} @ \
2325 {type}{ }{Gin} @ \
2326 {ext}{ }{Gin} @ \
2327 {read}{ }{Gin} @ \
2328 {command}{ }{Gin} @ \
2329 {x}{ }{Grot} @ \
2330 {y}{ }{Grot} @ \
2331 {units}{ }{Grot} @ \
2332 }{ }

```

## 45 File parsidigits.map

```

2333 LHSName "Digits"
2334 RHSName "ParsiDigits"
2335
2336 pass(Unicode)
2337 U+0030 <> U+06F0 ;
2338 U+0031 <> U+06F1 ;
2339 U+0032 <> U+06F2 ;
2340 U+0033 <> U+06F3 ;
2341 U+0034 <> U+06F4 ;

```



```

2342 U+0035 <> U+06F5 ;
2343 U+0036 <> U+06F6 ;
2344 U+0037 <> U+06F7 ;
2345 U+0038 <> U+06F8 ;
2346 U+0039 <> U+06F9 ;
2347
2348
2349 U+002C <> U+060C ; comma > arabic comma
2350 U+003F <> U+061F ; question mark -> arabic qm
2351 U+003B <> U+061B ; semicolon -> arabic semicolon
2352
2353 ; ligatures from Knuth's original CMR fonts
2354 U+002D U+002D <> U+2013 ; -- -> en dash
2355 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2356
2357 U+0027 <> U+2019 ; ' -> right single quote
2358 U+0027 U+0027 <> U+201D ; '' -> right double quote
2359 U+0022 > U+201D ; " -> right double quote
2360
2361 U+0060 <> U+2018 ; ` -> left single quote
2362 U+0060 U+0060 <> U+201C ; `` -> left double quote
2363
2364 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2365 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2366
2367 ; additions supported in T1 encoding
2368 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2369 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2370 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 46 File rapport1-xepersian.def

```

2371 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2372 \renewcommand*\thepart{\@tartibi\c@part}
2373 \renewcommand*\appendix{\par
2374   \setcounter{chapter}{0}%
2375   \setcounter{section}{0}%
2376   \gdef\@chapapp{\appendixname}%
2377   \gdef\thechapter{\@harfi\c@chapter}}

```

## 47 File rapport3-xepersian.def

```

2378 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2379 \renewcommand*\thepart{\@tartibi\c@part}
2380 \renewcommand*\appendix{\par
2381   \setcounter{chapter}{0}%
2382   \setcounter{section}{0}%
2383   \gdef\@chapapp{\appendixname}%
2384   \gdef\thechapter{\@harfi\c@chapter}}

```



## 48 File refrep-xepersian.def

```
2385 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2386 \renewcommand \thepart {\@tartibi\c@part}
2387 \renewcommand\appendix{\par
2388   \setcounter{chapter}{0}%
2389   \setcounter{section}{0}%
2390   \gdef\@chapapp{\appendixname}%
2391   \gdef\thechapter{\@harfi\c@chapter}
2392 }%end appendix
```

## 49 File report-xepersian.def

```
2393 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2394 \renewcommand \thepart {\@tartibi\c@part}
2395 \renewcommand\appendix{\par
2396   \setcounter{chapter}{0}%
2397   \setcounter{section}{0}%
2398   \gdef\@chapapp{\appendixname}%
2399   \gdef\thechapter{\@harfi\c@chapter}
2400 }%end appendix
```

## 50 File scrartcl-xepersian.def

```
2401 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2402 \renewcommand*{\thepart}{\@tartibi\c@part}
2403 \renewcommand*{\appendix}{\par%
2404   \setcounter{section}{0}%
2405   \setcounter{subsection}{0}%
2406   \gdef\thesection{\@harfi\c@section}%
2407   \csname appendixmore\endcsname
2408 }
2409 \renewcommand*{\@maybeautodot}[1]{%
2410   \ifx #1\@stop\let\@maybeautodot\relax
2411   \else
2412     \ifx #1\harfi \@autodottrue\fi
2413     \ifx #1\adadi \@autodottrue\fi
2414     \ifx #1\tartibi \@autodottrue\fi
2415     \ifx #1\Alph \@autodottrue\fi
2416     \ifx #1\alph \@autodottrue\fi
2417     \ifx #1\Roman \@autodottrue\fi
2418     \ifx #1\roman \@autodottrue\fi
2419     \ifx #1\@harfi \@autodottrue\fi
2420     \ifx #1\@adadi \@autodottrue\fi
2421     \ifx #1\@tartibi \@autodottrue\fi
2422     \ifx #1\@Alph \@autodottrue\fi
2423     \ifx #1\@alph \@autodottrue\fi
2424     \ifx #1\@Roman \@autodottrue\fi
2425     \ifx #1\@roman \@autodottrue\fi
2426     \ifx #1\romannumeral \@autodottrue\fi
```



```

2427 \fi
2428 \@maybeautodot
2429 }

```

## 51 File scrbook-xepersian.def

```

2430 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2431 \renewcommand*\frontmatter{%
2432   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2433   \@mainmatterfalse\pagenumbering{harfi}%
2434 }
2435 \renewcommand*\thepart{\@tartibi\c@part}
2436 \renewcommand*\appendix{\par%
2437   \setcounter{chapter}{0}%
2438   \setcounter{section}{0}%
2439   \gdef\@chapapp{\appendixname}%
2440   \gdef\thechapter{\@harfi\c@chapter}%
2441   \csname appendixmore\endcsname
2442 }
2443 \renewcommand*\@maybeautodot}[1]{%
2444   \ifx #1\@stop\let\@maybeautodot\relax
2445   \else
2446     \ifx #1\harfi \@autodottrue\fi
2447     \ifx #1\adadi \@autodottrue\fi
2448     \ifx #1\tartibi \@autodottrue\fi
2449     \ifx #1\Alph \@autodottrue\fi
2450     \ifx #1\alph \@autodottrue\fi
2451     \ifx #1\Roman \@autodottrue\fi
2452     \ifx #1\roman \@autodottrue\fi
2453     \ifx #1\@harfi \@autodottrue\fi
2454     \ifx #1\@adadi \@autodottrue\fi
2455     \ifx #1\@tartibi \@autodottrue\fi
2456     \ifx #1\@Alph \@autodottrue\fi
2457     \ifx #1\@alph \@autodottrue\fi
2458     \ifx #1\@Roman \@autodottrue\fi
2459     \ifx #1\@roman \@autodottrue\fi
2460     \ifx #1\romannumeral \@autodottrue\fi
2461   \fi
2462   \@maybeautodot
2463 }

```

## 52 File screprt-xepersian.def

```

2464 \ProvidesFile{screprt-xepersian.def}[2010/07/25 v0.2 adaptations for screprt class]
2465 \renewcommand*\thepart{\@tartibi\c@part}
2466 \renewcommand*\appendix{\par%
2467   \setcounter{chapter}{0}%
2468   \setcounter{section}{0}%
2469   \gdef\@chapapp{\appendixname}%
2470   \gdef\thechapter{\@harfi\c@chapter}%

```



```

2471 \csname appendixmore\endcsname
2472 }
2473 \renewcommand*{\@@maybeautodot}[1]{%
2474 \ifx #1\@stop\let\@@maybeautodot\relax
2475 \else
2476 \ifx #1\harfi \@@autodottrue\fi
2477 \ifx #1\adadi \@@autodottrue\fi
2478 \ifx #1\tartibi \@@autodottrue\fi
2479 \ifx #1\Alph \@@autodottrue\fi
2480 \ifx #1\alph \@@autodottrue\fi
2481 \ifx #1\Roman \@@autodottrue\fi
2482 \ifx #1\roman \@@autodottrue\fi
2483 \ifx #1\@harfi \@@autodottrue\fi
2484 \ifx #1\@adadi \@@autodottrue\fi
2485 \ifx #1\@tartibi \@@autodottrue\fi
2486 \ifx #1\@Alph \@@autodottrue\fi
2487 \ifx #1\@alph \@@autodottrue\fi
2488 \ifx #1\@Roman \@@autodottrue\fi
2489 \ifx #1\@roman \@@autodottrue\fi
2490 \ifx #1\romannumeral \@@autodottrue\fi
2491 \fi
2492 \@@maybeautodot
2493 }

```

### 53 File soul-xepersian.def

```

2494 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2495 \let\SOUL@tt\relax
2496 \newfontface{\SOUL@tt}{Times New Roman}

```

### 54 File tkz-linknodes-xepersian.def

```

2497 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2498 \renewcommand*{\@SetTab}{%
2499 \let\@alph\@latinalph%
2500 \ifnum \value{C@NumTab}>25\relax%
2501 \setcounter{C@NumTab}{1}%
2502 \else%
2503 \stepcounter{C@NumTab}%
2504 \fi%
2505 \setcounter{C@NumGroup}{0}%
2506 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2507 \setboolean{B@FirstLink}{true}
2508 \setboolean{B@NewGroup}{false}
2509 \setcounter{C@NumGroup}{0}
2510 \setcounter{C@CurrentGroup}{0}
2511 \setcounter{NumC@Node}{0}
2512 \setcounter{NumC@Stop}{0}
2513 \setcounter{C@NextNode}{0}
2514 \setcounter{C@CurrentStop}{0}

```





```

2515 \setcounter{C@CurrentNode}{0}
2516 }%

```

## 55 File tocloft-xepersian.def

```

2517 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2518 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2519 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2520 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2521 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2522 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2523 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2524 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2525 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2526 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2527 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 56 File xepersian.sty

```

2528 \NeedsTeXFormat{LaTeX2e}
2529 \def\xepersian@version{20.8}
2530 \def\xepersiandate{2018/01/21}
2531 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2532 Persian typesetting in XeLaTeX]
2533 \RequirePackage{fontspec}
2534 \RequirePackage{xepersian-persiancal}
2535 \RequirePackage{xepersian-mathsdigitspec}
2536 \RequirePackage{bidi}
2537 \edef\@xepersian@info{*****~J%
2538 * ~J%
2539 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2540 * ~J%
2541 * Description: The package supports Persian~J%
2542 * typesetting, using fonts provided in the~J%
2543 * distribution.~J%
2544 * ~J%
2545 * Copyright (c) 2008--2018 Vafa Khalighi~J%
2546 * ~J%
2547 * v\xepersian@version, \xepersiandate~J%
2548 * ~J%
2549 * License: LaTeX Project Public License, version~J%
2550 * 1.3c or higher (your choice)~J%
2551 * ~J%
2552 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2553 * ~J%
2554 * Issue tracker: https://github.com/tex-xet/xepersian/issues~J%
2555 * ~J%
2556 * Support: persian-tex@tug.org~J%
2557 * ~J%
2558 *****}

```



```

2559 \typeout{\@xepersian@info}
2560 \edef\xepersian@everyjob{\the\everyjob}
2561 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2562 \newcommand*\xepersian@version{
2563   {\ensuremath\xepersian@version}
2564 \newcommand*\IfxepersianPackageVersionLater}[1]{%
2565   \ifdim\xepersian@version pt > #1 pt %
2566     \expandafter\@firstoftwo
2567   \else
2568     \expandafter\@secondoftwo
2569   \fi}
2570 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
2571   \ifdim\xepersian@version pt < #1 pt %
2572     \expandafter\@firstoftwo
2573   \else
2574     \expandafter\@secondoftwo
2575   \fi}
2576 \newcommand*\IfxepersianPackageVersion}[1]{%
2577   \ifdim\xepersian@version pt = #1 pt %
2578     \expandafter\@firstoftwo
2579   \else
2580     \expandafter\@secondoftwo
2581   \fi}
2582 \def\prq{«}
2583 \def\plq{»}
2584 \def\xepersian@cmds@temp#1{%
2585   \begingroup\expandafter\expandafter\expandafter\endgroup
2586   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2587     \begingroup
2588       \escapechar=-1 %
2589       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2590       \def\y{#1}%
2591       \def\z##1->{%}
2592       \edef\y{\expandafter\z\meaning\y}%
2593       \expandafter\endgroup
2594       \ifx\x\y
2595         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2596           \expandafter{%
2597             \csname#1\endcsname
2598           }%
2599       \fi
2600     \fi
2601   }%
2602 \xepersian@cmds@temp{shellescape}
2603 \newif\ifwritexviii
2604 \ifnum\xepersian@shellescape=1\relax
2605   \writexviii true
2606 \else
2607   \writexviii false
2608 \fi

```



```

2609 \newfontscript{Parsi}{arab}
2610 \newfontlanguage{Parsi}{FAR}
2611 \ExplSyntaxOn
2612
2613 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
2614 {
2615   \__xepersian_main_settextfont:nn {#1,#3} {#2}
2616 }
2617 \cs_new:Nn \__xepersian_main_settextfont:nn
2618 {
2619   \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2620   \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2621   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2622   {
2623     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2624     \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2625     \exp_not:N \selectfont
2626   }
2627 }
2628 \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2629 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2630 \__xepersian_settextfont_hook:nn {#1} {#2}
2631 \normalfont
2632 \ignorespaces
2633 }
2634
2635 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
2636
2637 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
2638 {
2639   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2640 }
2641 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
2642 {
2643   \fontspec_set_family:Nnn \g__xepersian_textdigitfont_family {Script=Parsi,Language=Parsi,Mapping=
2644   \use:x
2645   {
2646     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2647     {
2648       \exp_not:N \fontfamily { \g__xepersian_textdigitfont_family }
2649       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2650       \exp_not:N \selectfont
2651     }
2652   }
2653   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
2654   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@
2655   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@
2656   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2657   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
2658   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@swi

```



```

2659 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterC
2660 \if@bidi@csundef{xepersian@D}}{\}%
2661 \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textd
2662 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textd
2663 \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textd
2664 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textd
2665 \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textd
2666 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textd
2667 \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textd
2668 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textd
2669 \XeTeXinterchartoks \xepersian@H \bidi@digits@charclass = {\xepersian@@start@switch@textd
2670 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@H = {\xepersian@@stop@switch@textd
2671 }
2672 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlat
2673 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlati
2674 }
2675
2676 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
2677
2678 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
2679 {
2680   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2681   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
2682 }
2683
2684
2685 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
2686 {
2687   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
2688 }
2689 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
2690 {
2691   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1} {#2}
2692   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2693   {
2694     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2695     \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2696     \exp_not:N \selectfont
2697   }
2698 }
2699 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2700 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2701 \__xepersian_setlatintextfont_hook:nn {#1} {#2}
2702 \normalfont
2703 \ignorespaces
2704 }
2705
2706 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
2707
2708 \tl_set_eq:NN \setlatinsansfont \setsansfont

```



```

2709 \tl_set_eq:NN \setlatinmonofont \setmonofont
2710
2711 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
2712 {
2713   \__xepersian_main_defpersianfont:nnn {#1} {#2,#4} {#3}
2714 }
2715 \cs_new:Nn \__xepersian_main_defpersianfont:nnn
2716 {
2717   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2718   \use:x
2719   {
2720     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2721     {
2722       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2723       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2724       \exp_not:N \selectfont
2725     }
2726   }
2727 }
2728
2729 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
2730 {
2731   \__xepersian_main_deflatinfont:nnn {#1} {#2,#4} {#3}
2732 }
2733 \cs_new:Nn \__xepersian_main_deflatinfont:nnn
2734 {
2735   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2} {#3}
2736   \use:x
2737   {
2738     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2739     {
2740       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2741       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2742       \exp_not:N \selectfont
2743     }
2744   }
2745 }
2746
2747 \newcommand\persiansfdefault{}
2748 \newcommand\persianttdefault{}
2749 \newcommand\iranicsfdefault{}
2750 \newcommand\navarsfdefault{}
2751 \newcommand\pooksfdefault{}
2752 \newcommand\sayehsfdefault{}
2753 \DeclareRobustCommand\persiansffamily
2754   {\not@math@alphabet\persiansffamily\mathpersiansf
2755   \fontfamily\persiansfdefault\selectfont}
2756 \DeclareRobustCommand\persianttfamily
2757   {\not@math@alphabet\persianttfamily\mathpersiantt
2758   \fontfamily\persianttdefault\selectfont}

```



```

2759 \DeclareRobustCommand\iranicfamily
2760     {\not@math@alphabet\iranicfamily\mathiranica
2761     \fontfamily\iranicdefault\selectfont}
2762 \DeclareRobustCommand\navarfamily
2763     {\not@math@alphabet\navarfamily\mathnavar
2764     \fontfamily\navardefault\selectfont}
2765 \DeclareRobustCommand\pookfamily
2766     {\not@math@alphabet\pookfamily\mathpook
2767     \fontfamily\pookdefault\selectfont}
2768 \DeclareRobustCommand\sayehfamily
2769     {\not@math@alphabet\sayehfamily\mathsayeh
2770     \fontfamily\sayehdefault\selectfont}
2771 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2772 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2773 \DeclareTextFontCommand{\textiranica}{\iranicfamily}
2774 \DeclareTextFontCommand{\textnavar}{\navarfamily}
2775 \DeclareTextFontCommand{\textpook}{\pookfamily}
2776 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
2777
2778 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2779 {
2780     \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
2781 }
2782 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
2783 {
2784     \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
2785     \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family
2786     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2787     {
2788         \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2789         \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }
2790         \exp_not:N \selectfont
2791     }
2792 }
2793 \str_if_eq:x:nnT {\familydefault} {\persiansfdefault}
2794 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2795 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
2796 \normalfont
2797 \ignorespaces
2798 }
2799
2800 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
2801
2802 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
2803 {
2804     \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
2805 }
2806 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
2807 {
2808     \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,M

```



```

2809 \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2810 \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2811 {
2812   \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2813   \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2814   \exp_not:N \selectfont
2815 }
2816 }
2817 \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2818 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2819 \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
2820 \normalfont
2821 \ignorespaces
2822 }
2823
2824 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
2825
2826 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
2827 {
2828   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
2829 }
2830 \cs_new:Nn \__xepersian_main_setnavarfont:nn
2831 {
2832   \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mapping=
2833   \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2834   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2835   {
2836     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2837     \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
2838     \exp_not:N \selectfont
2839   }
2840 }
2841 \str_if_eq_x:nnT {\familydefault} {\navardefault}
2842 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2843 \__xepersian_setnavarfont_hook:nn {#1} {#2}
2844 \normalfont
2845 \ignorespaces
2846 }
2847
2848 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
2849
2850 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
2851 {
2852   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
2853 }
2854 \cs_new:Nn \__xepersian_main_setpookfont:nn
2855 {
2856   \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mapping=
2857   \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2858   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }

```



```

2859 {
2860   \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2861   \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2862   \exp_not:N \selectfont
2863 }
2864 }
2865 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2866 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2867 \__xepersian_setpookfont_hook:nn {#1} {#2}
2868 \normalfont
2869 \ignorespaces
2870 }
2871
2872 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
2873
2874 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
2875 {
2876   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
2877 }
2878 \cs_new:Nn \__xepersian_main_setsayehfont:nn
2879 {
2880   \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=Default}
2881   \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2882   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2883     {
2884       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2885       \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2886       \exp_not:N \selectfont
2887     }
2888   }
2889   \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2890   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2891   \__xepersian_setsayehfont_hook:nn {#1} {#2}
2892   \normalfont
2893   \ignorespaces
2894 }
2895
2896 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
2897
2898 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
2899 {
2900   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
2901 }
2902 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
2903 {
2904   \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Mapping=Default}
2905   \tl_set_eq:NN \iranicondefault \g__xepersian_iranicfamily_family
2906   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
2907     {
2908       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }

```





```

2909 \exp_not:N \fontfamily { \g__xepersian_iranifamily_family }
2910 \exp_not:N \selectfont
2911 }
2912 }
2913 \str_if_eq_x:nnT {\familydefault} {\iranicdefault}
2914 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2915 \__xepersian_setiranifont_hook:nn {#1} {#2}
2916 \normalfont
2917 \ignorespaces
2918 }
2919
2920 \cs_set_eq:NN \__xepersian_setiranifont_hook:nn \use_none:nn
2921
2922 \ExplSyntaxOff
2923 \def\resetlatinfont{%
2924 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2925 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2926 \def\xepersian@@fontsize@scale{%
2927 \strip@pt\dimexpr 1pt * \dimexpr
2928 \xepersian@@latin@fontsize@scale pt\relax
2929 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
2930 }%
2931 \def\xepersian@@baselineskip@scale{%
2932 \strip@pt\dimexpr 1pt * \dimexpr
2933 \xepersian@@latin@baselineskip@scale pt\relax
2934 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
2935 }%
2936 \@nonlatinfalse%
2937 \let\normalfont\latinfont%
2938 \let\reset@font\normalfont%
2939 \latinfont%
2940 \fontsize\fontsize\font@baselineskip%
2941 \selectfont%
2942 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
2943 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
2944 }
2945 \def\setpersianfont{%
2946 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2947 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2948 \let\xepersian@@fontsize@scale\one%
2949 \let\xepersian@@baselineskip@scale\one%
2950 \@nonlatintrue%
2951 \let\normalfont\persianfont%
2952 \let\reset@font\normalfont%
2953 \persianfont%
2954 \fontsize\fontsize\font@baselineskip%
2955 \selectfont%
2956 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
2957 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
2958 }

```



```

2959 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2960 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2961 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2962 \def\endlatin{\endLTR}
2963 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
2964 \def\endpersian{\endRTL}
2965 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINITEMS}}
2966 \newenvironment{persiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PERSIITEMS}}
2967 \let\originaltoday=\today
2968 \def\latintoday{\lr{\originaltoday}}
2969 \def\today{\rl{\persiantoday}}
2970 \def \@LTRmarginparreset {%
2971     \reset@font
2972     \resetlatinfont
2973     \normalsize
2974     \@minipagetrue
2975     \everypar{\@minipagefalse\everypar{}\beginL}%
2976 }
2977 \DeclareRobustCommand\Latincite{%
2978     \@ifnextchar [{\@tempwatrue\@Latincitex}{\@tempwafalse\@Latincitex[]}]
2979 \def\@Latincitex[#1]#2{\leavevmode
2980     \let\@citea\@empty
2981     \@cite{\lr{\@for\@citeb:=#2\do
2982         {\@citea\def\@citea{\penalty\@m\ }%
2983         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2984         \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2985         \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
2986         \G@refundefinedtrue
2987         \@latex@warning
2988         {Citation `'\@citeb' on page \thepage \space undefined}}%
2989         {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\}\{#1}}
2990
2991 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2992
2993 \newif\if@xepersian@computeautoilg
2994 \newcount\xepersian@tcl
2995 \newdimen\xepersian@ilg
2996 \newdimen\xepersian@strutilg
2997 \chardef\f@ur=4
2998 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
2999     \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3000     \loop
3001     \iffontchar\font\xepersian@tcl
3002     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3003     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3004         \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3005     \fi
3006     \else
3007     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3008     \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg

```



```

3009 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3010 \fi
3011 \fi
3012 \fi
3013 \ifdim\xeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3014 \ifdim\xeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3015 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3016 \fi
3017 \else
3018 \ifdim\xeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3019 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3020 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3021 \fi
3022 \fi
3023 \fi
3024 \fi
3025 \advance\xepersian@tcl\@ne
3026 \ifnum\xepersian@tcl<1792\repeat
3027 \advance\xepersian@strutilg\xepersian@ilg
3028 % \ifdim\xepersian@strutilg>\baselineskip
3029 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3030 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3031 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3032 % \selectfont
3033 % \fi
3034 }
3035
3036 \newif\if@@textdigitfont@on
3037
3038 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3039 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3040
3041 \TextDigitFontOn
3042
3043 \newcommand*\xepersian@setlength[4]{%
3044 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3045 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3046 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3047 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3048 \else
3049 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3050 \fi
3051 \else
3052 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3053 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3054 \else
3055 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3056 \fi
3057 \fi
3058 \else

```



```

3059 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3060 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3061 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3062 \else
3063 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3064 \fi
3065 \else
3066 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3067 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3068 \else
3069 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3070 \fi
3071 \fi
3072 \fi
3073 }
3074
3075 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3076 \@defaultunits\@tempdima#2pt\relax\@nnil
3077 \setlength{\@tempdimc}{\@tempdima}%
3078 \addtolength{\@tempdimc}{-10\p@}%
3079 \edef\@ptsize{\strip@pt\@tempdimc}%
3080 \@defaultunits\@tempdimb#1pt\relax\@nnil
3081 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3082 \edef\@tempb{\the\@tempdimc}%
3083 \setlength{\@tempdimc}{\@tempdima}%
3084 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3085 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3086 \xepersian@setlength{\abovedisplayskip}{%
3087 {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}}%
3088 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3089 \xepersian@setlength{\belowdisplayshortskip}{%
3090 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}}%
3091 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3092 \edef\normalsize{%
3093 \noexpand\@setfontsize\noexpand\normalsize
3094 {\the\@tempdima}{\the\@tempdimb}%
3095 \abovedisplayskip \the\abovedisplayskip
3096 \abovedisplayshortskip \the\abovedisplayshortskip
3097 \belowdisplayskip \the\belowdisplayskip
3098 \belowdisplayshortskip \the\belowdisplayshortskip
3099 \let\noexpand\@listi\noexpand\@listI
3100 }%
3101 \setlength{\@tempdima}{0.9125\@tempdimc}%
3102 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3103 \xepersian@setlength{\abovedisplayskip}{%
3104 {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}}%
3105 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3106 \xepersian@setlength{\belowdisplayshortskip}{%
3107 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}}%
3108 \setlength{\belowdisplayskip}{\abovedisplayskip}%

```



```

3109 \edef\small{%
3110 \noexpand\setfontsize\noexpand\small
3111 {\the\@tempdima}{\the\@tempdimb}%
3112 \abovedisplayskip \the\abovedisplayskip
3113 \abovedisplayshortskip \the\abovedisplayshortskip
3114 \belowdisplayskip \the\belowdisplayskip
3115 \belowdisplayshortskip \the\belowdisplayshortskip
3116 \let\noexpand\@listi\noexpand\@listi@small
3117 }%
3118 \setlength{\@tempdima}{.83334\@tempdimc}%
3119 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3120 \xepersian@setlength{\abovedisplayskip}%
3121 { .8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3122 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3123 \xepersian@setlength{\belowdisplayshortskip}%
3124 {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3125 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3126 \edef\footnotesize{%
3127 \noexpand\setfontsize\noexpand\footnotesize
3128 {\the\@tempdima}{\the\@tempdimb}%
3129 \abovedisplayskip \the\abovedisplayskip
3130 \abovedisplayshortskip \the\abovedisplayshortskip
3131 \belowdisplayskip \the\belowdisplayskip
3132 \belowdisplayshortskip \the\belowdisplayshortskip
3133 \let\noexpand\@listi\noexpand\@listi@footnotesize
3134 }%
3135 \setlength{\@tempdima}{.66667\@tempdimc}%
3136 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3137 \edef\scriptsize{%
3138 \noexpand\setfontsize\noexpand\scriptsize
3139 {\the\@tempdima}{\the\@tempdimb}%
3140 }%
3141 \setlength{\@tempdima}{.5\@tempdimc}%
3142 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3143 \edef\tiny{%
3144 \noexpand\setfontsize\noexpand\tiny
3145 {\the\@tempdima}{\the\@tempdimb}%
3146 }%
3147 \setlength{\@tempdima}{1.2\@tempdimc}%
3148 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3149 \edef\large{%
3150 \noexpand\setfontsize\noexpand\large
3151 {\the\@tempdima}{\the\@tempdimb}%
3152 }%
3153 \setlength{\@tempdima}{1.44\@tempdimc}%
3154 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3155 \edef\Large{%
3156 \noexpand\setfontsize\noexpand\Large
3157 {\the\@tempdima}{\the\@tempdimb}%
3158 }%

```



```

3159 \setlength{\@tempdima}{1.728\@tempdimc}%
3160 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3161 \edef\LARGE{%
3162   \noexpand\@setfontsize\noexpand\LARGE
3163   {\the\@tempdima}{\the\@tempdimb}%
3164 }%
3165 \setlength{\@tempdima}{2.074\@tempdimc}%
3166 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3167 \edef\huge{%
3168   \noexpand\@setfontsize\noexpand\huge
3169   {\the\@tempdima}{\the\@tempdimb}%
3170 }%
3171 \setlength{\@tempdima}{2.488\@tempdimc}%
3172 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3173 \edef\Huge{%
3174   \noexpand\@setfontsize\noexpand\Huge
3175   {\the\@tempdima}{\the\@tempdimb}%
3176 }%
3177 \normalsize
3178 \setlength{\@tempdimb}{\f@baselineskip}%
3179 \xepersian@setlength{\parsep}%
3180   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3181 \xepersian@setlength{\topsep}%
3182   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3183 \@tempswafalse
3184 \begingroup
3185   \def\@list@extra{\aftergroup\@tempswatrue}%
3186   \csname @listi\endcsname
3187 \endgroup
3188 \edef\@listi{\leftmargin\leftmarginI
3189   \topsep \the\topsep
3190   \parsep \the\parsep
3191   \itemsep \parsep
3192   \if@tempswa\noexpand\@list@extra\fi
3193 }%
3194 \let\@listI\@listi
3195 \xepersian@setlength{\parsep}%
3196   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3197 \xepersian@setlength{\topsep}%
3198   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3199 \@tempswafalse
3200 \begingroup
3201   \def\@list@extra{\aftergroup\@tempswatrue}%
3202   \csname @listi\endcsname
3203 \endgroup
3204 \edef\@listi@small{\leftmargin\leftmarginI
3205   \topsep \the\topsep
3206   \parsep \the\parsep
3207   \itemsep \parsep
3208   \if@tempswa\noexpand\@list@extra\fi

```



```

3209 }%
3210 \xepersian@setlength{\parsep}%
3211         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3212 \xepersian@setlength{\topsep}%
3213         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3214 \@tempswafalse
3215 \begingroup
3216 \def\@list@extra{\aftergroup\@tempwattrue}%
3217 \csname @listi\endcsname
3218 \endgroup
3219 \edef\@listi@footnotesize{\leftmargin\leftmargini
3220 \topsep \the\topsep
3221 \parsep \the\parsep
3222 \itemsep \parsep
3223 \if@tempswa\noexpand\@list@extra\fi
3224 }%
3225 \xepersian@setlength{\parsep}%
3226         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3227 \xepersian@setlength{\topsep}%
3228         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3229 \@tempswafalse
3230 \begingroup
3231 \def\@list@extra{\aftergroup\@tempwattrue}%
3232 \csname @listii\endcsname
3233 \endgroup
3234 \edef\@listii{\leftmargin\leftmarginii
3235 \labelwidth=\dimexpr \leftmargin-\labelsep
3236 \topsep \the\topsep
3237 \parsep \the\parsep
3238 \itemsep \parsep
3239 \if@tempswa\noexpand\@list@extra\fi
3240 }%
3241 \xepersian@setlength{\topsep}%
3242         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3243 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3244 \@tempswafalse
3245 \begingroup
3246 \def\@list@extra{\aftergroup\@tempwattrue}%
3247 \csname @listiii\endcsname
3248 \endgroup
3249 \edef\@listiii{\leftmargin\leftmarginiii
3250 \labelwidth=\dimexpr \leftmargin-\labelsep
3251 \topsep \the\topsep
3252 \parsep \z@
3253 \partopsep \the\partopsep
3254 \itemsep \topsep
3255 \if@tempswa\noexpand\@list@extra\fi
3256 }%
3257 \@tempswafalse
3258 \begingroup

```



```

3259 \def\@list@extra{\aftergroup\@tempwattrue}%
3260 \csname @listiv\endcsname
3261 \endgroup
3262 \edef\@listiv{\leftmargin\leftmarginiv
3263 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3264 \if@tempswa\noexpand\@list@extra\fi
3265 }%
3266 \@tempswafalse
3267 \beginingroup
3268 \def\@list@extra{\aftergroup\@tempwattrue}%
3269 \csname @listv\endcsname
3270 \endgroup
3271 \edef\@listv{\leftmargin\leftmarginv
3272 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3273 \if@tempswa\noexpand\@list@extra\fi
3274 }%
3275 \@tempswafalse
3276 \beginingroup
3277 \def\@list@extra{\aftergroup\@tempwattrue}%
3278 \csname @listvi\endcsname
3279 \endgroup
3280 \edef\@listvi{\leftmargin\leftmarginvi
3281 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3282 \if@tempswa\noexpand\@list@extra\fi
3283 }%
3284 \@listi
3285 \setlength{\@tempdimb}{\f@baselineskip}%
3286 \setlength{\footnotesep}{.555\@tempdimb}%
3287 \xepersian@setlength{\skip\footins}%
3288 {\f@baselineskip}{.3333\@tempdimb}{.1667\@tempdimb}%
3289 \xepersian@setlength{\floatsep}%
3290 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3291 \xepersian@setlength{\textfloatsep}%
3292 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3293 \setlength{\intextsep}{\floatsep}%
3294 \setlength{\dblfloatsep}{\floatsep}%
3295 \setlength{\dbltextfloatsep}{\textfloatsep}%
3296 \setlength{\@fptop}{\z@ \@plus 1fil}%
3297 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3298 \setlength{\@fpbot}{\@fptop}%
3299 \setlength{\@dblftop}{\@fptop}%
3300 \setlength{\@dblpsep}{\@fpsep}%
3301 \setlength{\@dblpbot}{\@fpbot}%
3302 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3303 }
3304
3305 \renewcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@ \textwidth{\hss\bfseries
3306 {}
3307
3308 \newcommand\twocolumnstableofcontents%

```





```

3309 \if@bidi\csundef{multi@column@out}{%
3310 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
3311 \begin{multicols}{2}[\section*{\contentsname}]%
3312 \small
3313 \@starttoc{toc}%
3314 \end{multicols}}%
3315 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3316 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}%
3317 \def\figurename{\if@RTL else\ Figure\fi}
3318 \def\tablename{\if@RTL else\ Table\fi}
3319 \def\contentsname{\if@RTL else\ Contents\fi}
3320 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3321 \def\listtablename{\if@RTL else\ List of Tables\fi}
3322 \def\appendixname{\if@RTL else\ Appendix\fi}
3323 \def\indexname{\if@RTL else\ Index\fi}
3324 \def\refname{\if@RTL else\ References\fi}
3325 \def\abstractname{\if@RTL else\ Abstract\fi}
3326 \def\partname{\if@RTL else\ Part\fi}
3327 \def\datename{\if@RTL else\ Date:\fi}
3328 \def@@and{\if@RTL else\ and\fi}
3329 \def\bibname{\if@RTL else\ Bibliography\fi}
3330 \def\chaptername{\if@RTL else\ Chapter\fi}
3331 \def\ccname{\if@RTL else\ cc\fi}
3332 \def\enclname{\if@RTL else\ encl\fi}
3333 \def\pagename{\if@RTL else\ Page\fi}
3334 \def\headtoname{\if@RTL else\ To\fi}
3335 \def\proofname{\if@RTL else\ Proof\fi}
3336 \def\@Abjad#1{%
3337 \ifcase#1\or or\ or\ or\ %
3338 \or or\ or\ or\ or\ %
3339 \or or\ or\ or\ or\ %
3340 \or or\ or\ or\ %
3341 \or or\ or\ or\ or\ %
3342 \or or\ or\ or\ or\ %
3343 \else\@ctrerr\fi}
3344 \def\Abjad#1{\expandafter\@Abjad\csize c@#1\endcsname}
3345 \let\Abjadnumeral\@Abjad
3346 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3347 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3348 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3349 \def\harfi#1{\expandafter\@harfi\csize c@#1\endcsname}
3350 \let\harfinumeral\@harfi
3351 \newcommand{\adadi}[1]{%
3352 \expandafter\@adadi\csize c@#1\endcsname%
3353 }
3354 \newcommand{\@adadi}[1]{%
3355 \xepersian@numberstring{#1}\xepersian@yekanii{ }{ }%
3356 }
3357 \let\adadinumeral\@adadi%
3358 \def\xepersian@numberourofrange#1#2{%

```



```

3359 \PackageError{xepersian}{The number `#1' is too large %
3360 to be formatted using xepersian}{The largest possible %
3361 number is 999,999,999.}%
3362 }
3363 \def\xepersian@numberstring#1#2#3#4{%
3364 \ifnum\number#1<\@ne%
3365 #3%
3366 \else\ifnum\number#1<1000000000 %
3367 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3368 \else%
3369 \xepersian@numberoutofrange{#1}{#4}%
3370 \fi\fi%
3371 }
3372 \def\xepersian@adadi#1#2{%
3373 \expandafter\xepersian@@adadi%
3374 \ifcase%
3375 \ifnum#1<10 1%
3376 \else\ifnum#1<100 2%
3377 \else\ifnum#1<\@m 3%
3378 \else\ifnum#1<\@M 4%
3379 \else\ifnum#1<100000 5%
3380 \else\ifnum#1<1000000 6%
3381 \else\ifnum#1<10000000 7%
3382 \else\ifnum#1<100000000 8%
3383 \else9%
3384 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3385 \or00000000#1% case 1: Add 8 leading zeros
3386 \or0000000#1% case 2: Add 7 leading zeros
3387 \or000000#1% case 3: Add 6 leading zeros
3388 \or00000#1% case 4: Add 5 leading zeros
3389 \or0000#1% case 5: Add 4 leading zeros
3390 \or000#1% case 6: Add 3 leading zeros
3391 \or00#1% case 7: Add 2 leading zeros
3392 \or0#1% case 8: Add 1 leading zero
3393 \or#1% case 9: Add no leading zeros
3394 \or%
3395 \@nil#2%
3396 \fi%
3397 }
3398 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3399 \ifnum#1#2#3>\z@
3400 \xepersian@milyoongan#1#2#3%
3401 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3402 \fi%
3403 \ifnum#4#5#6>\z@%
3404 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3405 \ifnum#4#5#6>\@ne\fi%
3406 %
3407 \ifnum#7>\z@\ \fi%
3408 \fi%

```



```

3409 \xepersian@sadgan#7{#4#5#6}1#9%
3410 }
3411 \def\xepersian@milyoongan#1#2#3{%
3412 \ifnum#1#2#3=\@ne%
3413 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3414 %
3415 %
3416 \else%
3417 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3418 %
3419 %
3420 \fi%
3421 }
3422 \def\xepersian@sadgan#1#2#3#4#5#6{%
3423 \ifnum#1>\z@%
3424 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3425 %
3426 \ifnum#2#3>\z@ \fi%
3427 \fi%
3428 \ifnum#2#3<20%
3429 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3430 \else%
3431 \xepersian@dahgan#2%
3432 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3433 #60%
3434 \fi%
3435 }
3436 \def\xepersian@yekani#1{%
3437 \ifcase#1\@empty\or\ or\ or\ or\ or\ or\ %
3438 \or\ or\ or\ or\ or\ or\ %
3439 \or\ or\ or\ %
3440 \or\ or\ %fi\
3441 }
3442 \def\xepersian@yekanii#1{%
3443 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3444 }
3445 \def\xepersian@yekanii#1{%
3446 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3447 }
3448 \def\xepersian@yekaniv#1{%
3449 \ifcase#1\@empty\or\or\ or\ or\ or\ %
3450 \or\ or\ or\ %fi\
3451 }
3452 \def\xepersian@dahgan#1{%
3453 \ifcase#1\or\or\ or\ %
3454 \or\ or\ or\ %
3455 \or %fi\
3456 }
3457 \newcommand{\tartibi}[1]{%
3458 \expandafter\@tartibi\csname c@#1\endcsname%

```



```

3459 }
3460 \newcommand{\@tartibi}[1]{%
3461 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3462 }
3463 \let\tartibinumeral\@tartibi%
3464 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3465 \ifnum\number#1<\@ne%
3466 #3%
3467 \else\ifnum\number#1<1000000000 %
3468 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3469 \else%
3470 \xepersian@numberoutofrange{#1}{#4}%
3471 \fi\fi%
3472 }
3473 \def\xepersian@adadi@tartibi#1#2{%
3474 \expandafter\xepersian@@adadi@tartibi%
3475 \ifcase%
3476 \ifnum#1<10 1%
3477 \else\ifnum#1<100 2%
3478 \else\ifnum#1<\@m 3%
3479 \else\ifnum#1<\@M 4%
3480 \else\ifnum#1<100000 5%
3481 \else\ifnum#1<1000000 6%
3482 \else\ifnum#1<10000000 7%
3483 \else\ifnum#1<100000000 8%
3484 \else9%
3485 \fi\fi\fi\fi\fi\fi\fi\fi %
3486 \or00000000#1% case 1: Add 8 leading zeros
3487 \or0000000#1% case 2: Add 7 leading zeros
3488 \or000000#1% case 3: Add 6 leading zeros
3489 \or00000#1% case 4: Add 5 leading zeros
3490 \or0000#1% case 5: Add 4 leading zeros
3491 \or000#1% case 6: Add 3 leading zeros
3492 \or00#1% case 7: Add 2 leading zeros
3493 \or0#1% case 8: Add 1 leading zero
3494 \or#1% case 9: Add no leading zeros
3495 \or%
3496 \@nil#2%
3497 \fi%
3498 }
3499 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3500 \ifnum#1#2#3>\z@
3501 \xepersian@milyoongan@tartibi#1#2#3%
3502 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3503 \fi%
3504 \ifnum#4#5#6>\z@%
3505 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3506 \ifnum#4#5#6>\@ne \fi%
3507 %
3508 \ifnum#7>\z@\ \fi%

```



```

3509 \fi%
3510 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3511 }
3512 \def\xepersian@milyoongan@tartibi#1#2#3{%
3513 \ifnum#1#2#3=\@ne%
3514 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3515 %
3516 %
3517 \else%
3518 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3519 %
3520 %
3521 \fi%
3522 }
3523 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3524 \ifnum#1>\z@%
3525 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3526 %
3527 \ifnum#2#3>\z@\ \fi%
3528 \fi%
3529 \ifnum#2#3<20%
3530 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3531 \else%
3532 \ifnum#2#3=30%
3533 \xepersian@dahgan@tartibi#2%
3534 \else%
3535 \xepersian@dahgan#2%
3536 \fi%
3537 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3538 #60%
3539 \fi%
3540 }
3541 \def\xepersian@dahgan@tartibi#1{%
3542 \ifcase#1\or\or\or\or\ %
3543 \or\or\or\or\ %
3544 \or\or\ %fi\
3545 }
3546 \def\xepersian@tartibi#1{%
3547 \ifcase#1\or\or\or\or\ %
3548 \or\or\or\or\or\ %
3549 \or\or\or\or\ %
3550 \or\or\or\ %
3551 \or\or\or\ %fi\
3552 }
3553 \def\xepersian@yekanv#1{%
3554 \ifcase#1\@empty\or\or\or\or\or\or\ %
3555 \or\or\or\or\or\or\ %
3556 \or\or\or\or\ %
3557 \or\or\ %fi\
3558 }

```



```

3559 \providecommand*{\xpg@warning}[1]{%
3560   \PackageWarning{XePersian}%
3561   {#1}}
3562 \if@bidi@csundef{abjad}{%
3563 \def\abjad#1{%
3564 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3565 \else
3566   \ifnum#1<\z@ \space\xpg@warning{Illegal value (#1) for abjad numeral}%
3567   \else
3568     \ifnum#1<10\expandafter\abj@num@i\number#1%
3569     \else
3570       \ifnum#1<100\expandafter\abj@num@ii\number#1%
3571       \else
3572         \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3573         \else
3574           \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3575           \fi
3576         \fi
3577       \fi
3578     \fi
3579   \fi
3580 \fi
3581 }
3582 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3583 \let\abjadnumeral\@abjad
3584 \def\abjad@zero{}
3585 \def\abj@num@i#1{%
3586   \ifcase#1\or or\ or\ or\ %
3587     \or or\ or\ or\ or\ fi\
3588   \ifnum#1=\z@\abjad@zero\fi}
3589 \def\abj@num@ii#1{%
3590   \ifcase#1\or or\ or\ or\ or\ %
3591     \or or\ or\ or\ or\ fi\
3592   \ifnum#1=\z@\fi\abj@num@i}
3593 \def\abj@num@iii#1{%
3594   \ifcase#1\or or\ or\ or\ or\ or\ %
3595     \or or\ or\ or\ or\ or\ fi\
3596   \ifnum#1=\z@\fi\abj@num@ii}
3597 \def\abj@num@iv#1{%
3598   \ifcase#1\or fi\
3599   \ifnum#1=\z@\fi\abj@num@iii}
3600 }{}
3601 \let\@latinalph\@alph%
3602 \let\@latinAlph\@Alph%
3603 \def\LatinAlphs{%
3604   \let\@alph\@latinalph%
3605   \let\@Alph\@latinAlph%
3606 }
3607 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}
3608 \renewcommand*{\bidi@thebibliography@font@hook}{%

```



```

3609 \if@LTRbibitems
3610 \resetlatinfont
3611 \fi}
3612 \bidi@AfterEndPreamble{%
3613 \if@bidi@csundef{persianfont}{%
3614 \PackageError{xepersian}{You have not specified any font\MessageBreak
3615 for the main Persian text}{Use '\settextfont' to load a font.}%
3616 }{}
3617 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3618 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3619 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3620 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3621 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3622 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3623 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3624 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3625 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
3626 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3627 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3628 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3629 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3630 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3631 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3632 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3633 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3634 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3635 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3636 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}{}
3637 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3638 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3639 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3640 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3641 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3642 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3643 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3644 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3645 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3646 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3647 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3648 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3649 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3650 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3651 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3652 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3653 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3654 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3655 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3656 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3657 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3658 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}

```



```

3659 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3660
3661 \def\xepersian@@fontsize@branch#1{%
3662   \@tempcnta\z@
3663   \@for\xepersian@tmp:=#1\do{%
3664     \KV@sp@def\xepersian@frag{\xepersian@tmp}%
3665     \ifcase\@tempcnta\relax% cnta == 0
3666       \edef\xepersian@value{\xepersian@frag}%
3667       \setfontsize{\xepersian@frag}%
3668     \or% cnta == 1
3669       \setfontsize[\xepersian@frag]{\xepersian@value}%
3670     \else\fi
3671     \advance\@tempcnta\@ne}%
3672 }
3673
3674
3675 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default
3676 \ifcase\xepersian@tempb\relax
3677   \AutoMathsDigits
3678 \or
3679   \DefaultMathsDigits
3680 \or
3681   \PersianMathsDigits
3682 \fi}
3683 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3684 \ifcase\xepersian@tempb\relax
3685   \AutoInlineMathsDigits
3686 \or
3687   \DefaultInlineMathsDigits
3688 \or
3689   \PersianInlineMathsDigits
3690 \fi}
3691 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3692 \ifcase\xepersian@tempb\relax
3693   \AutoDisplayMathsDigits
3694 \or
3695   \DefaultDisplayMathsDigits
3696 \or
3697   \PersianDisplayMathsDigits
3698 \fi}
3699 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3700 \ifcase\xepersian@tempb\relax
3701   \@RTLtrue
3702 \or
3703   \@RTLfalse
3704 \fi}
3705
3706 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttol
3707 \ifcase\xepersian@tempb\relax
3708   \@RTLtrue

```





```

3709 \or
3710 \RTLfalse
3711 \fi}
3712
3713
3714 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3715 \ifcase\xepersian@tempb\relax
3716 \RTLtabtrue
3717 \or
3718 \RTLtabfalse
3719 \fi}
3720
3721 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3722 \ifcase\xepersian@tempb\relax
3723 \@nonlatinfalse
3724 \or
3725 \@nonlatintrue
3726 \fi}
3727
3728 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3729 \ifcase\xepersian@tempb\relax
3730 \RTLtrue
3731 \or
3732 \RTLfalse
3733 \fi}
3734 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3735 \ifcase\xepersian@tempb\relax
3736 \autofootnoterule
3737 \or
3738 \leftfootnoterule
3739 \or
3740 \rightfootnoterule
3741 \or
3742 \SplitFootnoteRule
3743 \or
3744 \textwidthfootnoterule
3745 \fi}
3746 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3747 \ifcase\xepersian@tempb\relax
3748 \RTL@footnotetrue
3749 \or
3750 \RTL@footnotefalse
3751 \fi}
3752 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3753 \ifcase\xepersian@tempb\relax
3754 \footdir@debugtrue
3755 \or
3756 \footdir@debugfalse
3757 \fi}
3758 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%

```



```

3759 \ifcase\xepersian@tempb\relax
3760 \input{kashida-xepersian.def}
3761 \fi}
3762 \define@choicekey{xepersian.sty}{KashidaXBFix}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3763 \ifcase\xepersian@tempb\relax
3764 \@Kashida@XB@fixtrue
3765 \or
3766 \@Kashida@XB@fixfalse
3767 \fi}
3768 \define@choicekey{xepersian.sty}{localise}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3769 \ifcase\xepersian@tempb\relax
3770 \input{localise-xepersian.def}
3771 \fi}
3772 \define@choicekey{xepersian.sty}{extrafootnotefeatures}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3773 \ifcase\xepersian@tempb\relax
3774 \@extrafootnotefeaturestrue
3775 \or
3776 \@extrafootnotefeaturesfalse
3777 \fi}
3778 \define@choicekey{xepersian.sty}{quickindex}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3779 \ifcase\xepersian@tempb\relax
3780 \PackageWarning{xepersian}{Obsolete option}%
3781 \ifwritexviii%
3782 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3783 \renewcommand\printindex{\newpage%
3784 \immediate\closeout\@indexfile
3785 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3786 \@input@{\jobname.ind}}}%
3787 \else
3788 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3789 \fi
3790 \fi}
3791 \define@choicekey{xepersian.sty}{quickindex-variant1}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3792 \ifcase\xepersian@tempb\relax
3793 \ifwritexviii%
3794 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3795 \renewcommand\printindex{\newpage%
3796 \immediate\closeout\@indexfile
3797 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3798 \@input@{\jobname.ind}}}%
3799 \else
3800 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3801 \fi
3802 \fi}
3803 \define@choicekey{xepersian.sty}{quickindex-variant2}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3804 \ifcase\xepersian@tempb\relax
3805 \ifwritexviii%
3806 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3807 \renewcommand\printindex{\newpage%
3808 \immediate\closeout\@indexfile

```



```

3809     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3810     \@input@{\jobname.ind}}}%
3811     \else
3812     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3813     \fi
3814 \fi}
3815 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3816 \ifcase\xepersian@tempb\relax
3817 \def\PersianAlphs{%
3818 \let\@alph\@abjad%
3819 \let\@Alph\@abjad%
3820 }
3821 \or
3822 \def\PersianAlphs{%
3823 \let\@alph\@Abjad%
3824 \let\@Alph\@Abjad%
3825 }
3826 \fi}
3827 \DeclareOptionX{defaultlatinfontfeatures}{%
3828 \defaultfontfeatures
3829 [\latinfont]
3830 {#1}
3831 }
3832
3833 \DeclareOptionX{mathfontsizescale}{%
3834 \def\xepersian@@math@fontsize@scale{#1}%
3835 }
3836
3837 \DeclareOptionX{fontsizescale}{%
3838 \def\xepersian@@fontsize@scale{#1}%
3839 }
3840
3841 \DeclareOptionX{fontsize}{%
3842 \xepersian@@fontsize@branch{#1}%
3843 }
3844
3845 \DeclareOptionX{latinfontsizescale}{%
3846 \def\xepersian@@latin@fontsize@scale{#1}%
3847 }
3848
3849 \DeclareOptionX{baselineskipscale}{%
3850 \def\xepersian@@baselineskip@scale{#1}%
3851 }
3852
3853 \DeclareOptionX{latinbaselineskipscale}{%
3854 \def\xepersian@@latin@baselineskip@scale{#1}%
3855 }
3856
3857 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3858 \ifcase\xepersian@tempb\relax

```



```

3859 \relax
3860 \or
3861 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
3862 \fi}
3863
3864 \define@choicekey{xepersian.sty}{computeautoilg}{\xepersian@tempa\xepersian@tempb}{on,off}[on]
3865 \ifcase\xepersian@tempb\relax
3866 \@xepersian@@computeautoilgtrue
3867 \or
3868 \@xepersian@@computeautoilgfalse
3869 \fi}
3870
3871 \define@choicekey{xepersian.sty}{DetectColumn}{\xepersian@tempa\xepersian@tempb}{on,off}[on]{%
3872 \ifcase\xepersian@tempb\relax
3873 \def\bidi@firstcolumn@status@write{%
3874 \protected@write\@auxout{}%
3875 {\string\bidi@column@status
3876 {1}}}%
3877 \def\bidi@lastcolumn@status@write{%
3878 \protected@write\@auxout{}%
3879 {\string\bidi@column@status{2}}}%
3880 \or
3881 \let\bidi@firstcolumn@status@write\relax
3882 \let\bidi@lastcolumn@status@write\relax
3883 \fi}
3884
3885
3886 \define@choicekey{xepersian.sty}{debugtextdigitfont}{\xepersian@tempa\xepersian@tempb}{on,off}
3887 \ifcase\xepersian@tempb\relax
3888 \bidi@AtEndPreamble{%
3889 \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
3890 {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
3891 }
3892 \or
3893 \relax
3894 \fi}
3895
3896 \ExecuteOptionsX{%
3897 documentdirection=righttoleft,
3898 tabledirection=righttoleft,
3899 script=nonlatin,
3900 footnotedirection=righttoleft,
3901 footnoterule=automatic,
3902 abjadvariant=two,
3903 DetectColumn=off,
3904 fontsizescale=\@ne,
3905 latinfontsizescale=\@ne,
3906 mathfontsizescale=\@ne,
3907 baselineskipscale=\@ne,
3908 latinbaselineskipscale=\@ne

```



```

3909 }
3910
3911 \ProcessOptionsX
3912
3913 \if@extrafootnotefeatures
3914   \input{extrafootnotefeatures-xetex-bidi.def}
3915   \input{extrafootnotefeatures-xepersian.def}
3916 \fi
3917
3918 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
3919   \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
3920 }{}{}
3921
3922 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
3923   \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
3924 }{}{}
3925
3926
3927 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
3928   \strip@pt\dimexpr\xepersian@@math@fontsize@scale
3929   \dimexpr 1pt * \dimexpr #1 pt\relax /
3930   \dimexpr \xepersian@@fontsize@scale pt\relax
3931   \relax\relax
3932 }
3933
3934 \bidi@patchcmd{\getanddefine@fonts}{%
3935   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
3936 }{%
3937   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
3938 }{}{}
3939
3940 \bidi@patchcmd{\getanddefine@fonts}{%
3941   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
3942 }{%
3943   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
3944 }{}{}
3945
3946 \bidi@patchcmd{\getanddefine@fonts}{%
3947   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
3948 }{%
3949   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
3950 }{}{}
3951
3952
3953 \if\xepersian@@computeautoilg
3954 \bidi@patchcmd{\set@fontsize}{%
3955 \baselineskip\fb@baselineskip\relax
3956 }{%
3957 \baselineskip\fb@baselineskip\relax
3958 \xepersian@@computeautoilg

```



```

3959 \ifdim\xepersian@strutilg>\baselineskip
3960 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3961 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3962 \baselineskip\xepersian@strutilg
3963 \ifdim\footnotesep=.7\baselineskip
3964 \else
3965 \footnotesep.7\baselineskip
3966 \fi
3967 \fi
3968 }{}{}
3969 \fi
3970
3971 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita}
3972 \PersianAlphs

```

## 57 File xepersian-magazine.cls

```

3973 \NeedsTeXFormat{LaTeX2e}
3974 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3975 \RequirePackage{ifthen}
3976 \newlength{\xepersian@imgsize}
3977 \newlength{\xepersian@coltitsize}
3978 \newlength{\xepersian@pageneed}
3979 \newlength{\xepersian@pageleft}
3980 \newlength{\xepersian@indexwidth}
3981 \newcommand{\xepersian@ncolumns}{0}
3982 \newlength{\columnlines}
3983 \setlength{\columnlines}{0 pt} % no lines by default
3984 \newboolean{xepersian@hyphenatedtitles}
3985 \setboolean{xepersian@hyphenatedtitles}{true}
3986 \newboolean{xepersian@ninepoints}
3987 \setboolean{xepersian@ninepoints}{false}
3988 \newboolean{xepersian@showgrid}
3989 \setboolean{xepersian@showgrid}{false}
3990 \newboolean{xepersian@a3paper}
3991 \setboolean{xepersian@a3paper}{false}
3992 \newboolean{xepersian@insidefrontpage}
3993 \setboolean{xepersian@insidefrontpage}{false}
3994 \newboolean{xepersian@insideweather}
3995 \setboolean{xepersian@insideweather}{false}
3996 \newboolean{xepersian@insideindex}
3997 \setboolean{xepersian@insideindex}{false}
3998 \newcount\xepersian@gridrows
3999 \newcount\xepersian@gridcolumns
4000 \xepersian@gridrows=40
4001 \xepersian@gridcolumns=50
4002 \newcount\minraggedcols
4003 \minraggedcols=5
4004 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4005 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}

```



```

4006 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4007 \DeclareOption{twocolumn}%
4008 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4009 \DeclareOption{notitlepage}%
4010 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4011 \DeclareOption{twoside}%
4012 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4013 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4014 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4015 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4016 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4017 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4018 \ProcessOptions\relax
4019 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4020 \RequirePackage{ifxetex}
4021 \RequirePackage{multido}
4022 \RequirePackage{datetime}
4023 \RequirePackage{multicol}
4024 \RequirePackage{fancyhdr}
4025 \RequirePackage{fancybox}
4026 \ifthenelse{\boolean{xepersian@a3paper}}{%
4027 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4028 }{
4029 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4030 }
4031 \RequirePackage[absolute]{textpos} % absolute positioning
4032 \RequirePackage{hyphenat} % when hyphenate
4033 \RequirePackage{lastpage} % to know the last page number
4034 \RequirePackage{setspace} % set space between lines
4035 \RequirePackage{ragged2e}
4036 \newcommand{\raggedFormat}{\RaggedLeft}
4037 \AtEndOfClass{\xepersianInit}
4038 \ifthenelse{\boolean{xepersian@showgrid}}{%
4039 \AtBeginDocument{
4040 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4041 \advance\minraggedcols by -1
4042 }{%
4043 \AtBeginDocument{
4044 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4045 \advance\minraggedcols by -1
4046 }
4047 \ifthenelse{\boolean{xepersian@ninepoints}}{
4048 \renewcommand{\normalsize}{%
4049 \setfontsize{\normalsize}{9pt}{10pt}%
4050 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4051 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4052 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4053 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4054
4055 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}

```



```

4056
4057 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
4058
4059 \renewcommand{\small}{\%
4060   \@setfontsize{\small}{8pt}{9pt}%
4061   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4062   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4063   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4064   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4065
4066 \renewcommand{\footnotesize}{\%
4067   \@setfontsize{\footnotesize}{8pt}{9pt}%
4068   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4069   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4070   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4071   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4072
4073 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4074 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4075 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4076 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4077 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4078 }{}
4079 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4080 \newcommand{\xepersian@wwwFormat}{\sffamily}
4081 \newcommand{\xepersian@www}{\%
4082 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
4083 }
4084 \newcommand{\xepersian@edition}{\%
4085 \newcommand{\editionFormat}{\large\bfseries\texttt}
4086 \newcommand{\xepersian@editionLogo}{\%
4087 \raisebox{-3pt}{\%
4088 {\editionFormat\xepersian@edition}}%
4089 }%
4090 }
4091 \newcommand{\indexFormat}{\large\bfseries}
4092 \newcommand{\xepersian@indexFrameTitle}[1]
4093 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4094
4095 \newcommand{\indexEntryFormat}{\normalsize}
4096 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4097 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4098 \end{minipage}}
4099 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4100 \newcommand{\indexEntryPageTxt}{\%
4101 \newcommand{\indexEntryPageFormat}{\footnotesize}
4102 \newcommand{\xepersian@indexEntryPage}[1]{\%
4103 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4104 }
4105 \newcommand{\headDateTimeFormat}{\%

```





```

4106 \newcommand{\xepersian@headDateTime}{%
4107 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4108 \currenttime %
4109 }
4110 \newcommand{\weatherFormat}{\bfseries}
4111 \newcommand{\xepersian@weather}[1]{%
4112 \noindent{\weatherFormat #1}%
4113 }
4114 \newcommand{\weatherTempFormat}{\small}
4115 \newcommand{\weatherUnits}{\textdegree{C}}
4116 \newcommand{\xepersian@section}[0]{ {
4117 \newcommand{\xepersian@headleft}{%
4118 {\small\bfseries \@custommagazinename} \date
4119 }
4120 \newcommand{\xepersian@headcenter}{%
4121 \xepersian@section{}
4122 }
4123 \newcommand{\xepersian@headright}{%
4124 \small\xepersian@edition%
4125 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4126 }
4127
4128 \newcommand{\heading}[3]{%
4129 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4130 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4131 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4132 }
4133 \newcommand{\xepersian@footright}{%
4134 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4135 }
4136 \newcommand{\xepersian@footcenter}{%
4137 }
4138 \newcommand{\xepersian@footleft}{%
4139 }
4140
4141 \newcommand{\foot}[3]{%
4142 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4143 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4144 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4145 }
4146 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4147 \newcommand{\xepersian@firstTitle}[1]{%
4148 {%
4149 \begin{spacing}{2.0}{%
4150 \noindent\ignorespaces
4151 \ifthenelse{boolean{xepersian@hyphenatedtitles}}%
4152 {\nohyphens{firstTitleFormat #1}}%
4153 {\firstTitleFormat #1}}%
4154 }%
4155 \end{spacing}%

```



```

4156 }%
4157 }
4158 \newcommand{\firstTextFormat}{}
4159 \newcommand{\xepersian@firstText}[1]{%
4160 {\noindent\ignorespaces\firstTextFormat #1}}%
4161 }
4162 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4163 \newcommand{\xepersian@secondTitle}[1]{%
4164 \begin{spacing}{1.5}{%
4165 \noindent\ignorespaces\flushright
4166 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4167 {\nohyphens{\secondTitleFormat #1}}%
4168 {\{\secondTitleFormat #1}}%
4169 }\end{spacing}%
4170 }
4171 \newcommand{\secondSubtitleFormat}{\large}
4172 \newcommand{\xepersian@secondSubtitle}[1]{%
4173 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4174 }
4175 \newcommand{\secondTextFormat}{}
4176 \newcommand{\xepersian@secondText}[1]{%
4177 \begin{multicols}{2}
4178 {\noindent\ignorespaces\secondTextFormat #1}
4179 \end{multicols}
4180 }
4181 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4182 \newcommand{\xepersian@thirdTitle}[1]{%
4183 \begin{spacing}{1.5}{%
4184 \noindent\ignorespaces\flushright
4185 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4186 {\nohyphens{\thirdTitleFormat #1}}%
4187 {\{\thirdTitleFormat #1}}%
4188 }\end{spacing}%
4189 }
4190 \newcommand{\thirdSubtitleFormat}{\large}
4191 \newcommand{\xepersian@thirdSubtitle}[1]{%
4192 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4193 \newcommand{\thirdTextFormat}{}
4194 \newcommand{\xepersian@thirdText}[1]{\{\thirdTextFormat #1}}
4195 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4196 \newcommand{\xepersian@pictureCaption}[1]{%
4197 {\noindent\pictureCaptionFormat #1}}%
4198 }
4199 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4200 \newcommand{\xepersian@pages}[1]{%
4201 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4202 \newcommand{\innerTitleFormat}{\Huge}
4203 \newcommand{\xepersian@innerTitle}[1]{%
4204 \begin{flushright}{%
4205 \noindent

```



```

4206 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4207 {\nohyphens{\innerTitleFormat #1}}%
4208 {\{\innerTitleFormat #1}}%
4209 }%
4210 \\\%
4211 \end{flushright}%
4212 }
4213 \newcommand{\innerSubtitleFormat}{\large}
4214 \newcommand{\xepersian@innerSubtitle}[1]{\{\innerSubtitleFormat #1}}
4215 \newcommand{\timestampTxt}{}
4216 \newcommand{\timestampSeparator}{}
4217 \newcommand{\timestampFormat}{\small}
4218 \newcommand{\timestamp}[1]{%
4219 {\timestampFormat%
4220 #1~\timestampTxt}%
4221 }~\timestampSeparator}%
4222 }
4223 \newcommand{\innerAuthorFormat}{\footnotesize}
4224 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4225 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4226 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4227 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4228 \newcommand{\editorialAuthorFormat}{\textsc}
4229 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4230 \newcommand{\xepersian@shortarticleTitle}[1]{\{\shortarticleTitleFormat #1}}
4231 \newcommand{\shortarticleSubtitleFormat}{\Large}
4232 \newcommand{\xepersian@shortarticleSubtitle}[1]{\{\shortarticleSubtitleFormat #1}}
4233 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4234 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1}}
4235 \renewcommand{\maketitle}{\begin{titlepage}%
4236 \let\footnotesize\small
4237 \let\footnoterule\relax
4238 \let \footnote \thanks
4239 \null\vfil
4240 \vskip 60\p@
4241 \begin{center}%
4242 {\LARGE \@title \par}%
4243 \vskip 1em%
4244 {\LARGE «\xepersian@edition» \par}%
4245 \vskip 3em%
4246 {\large
4247 \lineskip .75em%
4248 \begin{tabular}[t]{c}%
4249 \@author
4250 \end{tabular}\par}%
4251 \vskip 1.5em%
4252 {\large \@date \par}%
4253 \end{center}\par
4254 \@thanks
4255 \vfil\null

```



```

4256 \end{titlepage}%
4257 \setcounter{footnote}{0}%
4258 \global\let\thanks\relax
4259 \global\let\maketitle\relax
4260 \global\let\@thanks\@empty
4261 \global\let\@author\@empty
4262 \global\let\@date\@empty
4263 \global\let\@title\@empty
4264 \global\let\title\relax
4265 \global\let\author\relax
4266 \global\let\date\relax
4267 \global\let\and\relax
4268 }
4269 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4270 \newsavebox{\xepersian@fmbbox}
4271 \newenvironment{xepersian@fmpage}[1]
4272 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
4273 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
4274 \newcommand{\image}[2]{
4275 \vspace{5pt}
4276 \setlength{\fboxsep}{1pt}
4277 \addtolength{\xepersian@imgsize}{\columnwidth}
4278 \addtolength{\xepersian@imgsize}{-1\columnsep}
4279 \ifxetex
4280 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4281 \addtolength{\xepersian@pageneed}{50pt}
4282 \ClassWarning{xepersian-magazine}{%
4283 Image #1 needs: \the\xepersian@pageneed \space %
4284 and there is left: \the\page@free\space%
4285 }
4286 \ifdim \xepersian@pageneed < \page@free
4287
4288 {\centering\fbox{%
4289 \includegraphics[width = \xepersian@imgsize,
4290 height = \xepersian@imgsize,
4291 keepaspectratio ]{#1}}}
4292 \xepersian@pictureCaption{#2}
4293
4294 \vspace{5pt}
4295 \else
4296 \ClassWarning{Image #1 needs more space!%
4297 It was not inserted!}
4298 \fi
4299 \fi
4300 }
4301 \textblockorigin{1cm}{1cm}
4302 \newdimen\xepersian@dx
4303 \newdimen\xepersian@dy
4304 \newcount\xepersian@cx
4305 \newcount\xepersian@cy

```



```

4306 \newcommand{\grid}[3][\{
4307 \xepersian@dx=\textwidth%
4308 \xepersian@dy=\textheight%
4309 \xepersian@cx=#3% %columns
4310 \xepersian@cy=#2% %rows
4311
4312 \count1=#3%
4313 \advance\count1 by 1
4314
4315 \count2=#2%
4316 \advance\count2 by 1
4317
4318 \divide\xepersian@dx by #3
4319 \divide\xepersian@dy by #2
4320
4321 \setlength{\TPHorizModule}{\xepersian@dx}
4322 \setlength{\TPVertModule}{\xepersian@dy}
4323
4324 \ifthenelse{\equal{#1}{show}}{\{
4325 \multido{\xepersian@nrow=0+1}{\count2}{\{
4326 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4327 \rule[0pt]{\textwidth}{.1pt}
4328 \end{textblock}
4329 \}
4330
4331 \multido{\xepersian@ncol=0+1}{\count1}{\{
4332 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4333 \rule[0pt]{.1pt}{\textheight}
4334 \end{textblock}
4335 \}
4336 \}{}
4337 \}
4338 \newcommand{\xepersianInit}{\{
4339 \setlength{\headheight}{14pt}
4340 \renewcommand{\headrulewidth}{0.4pt}
4341
4342 \pagestyle{fancy}
4343
4344 \setlength{\columnseprule}{\columnlines}
4345 \setlength{\fboxrule}{0.1 pt}
4346
4347 \}
4348
4349 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4350 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4351 \def\custommagazine#1{\gdef\@custommagazine{\beginR#1\endR}}
4352 \newcommand{\logo}[0]{\{
4353 %% Heading %%
4354 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4355

```



```

4356 \vspace*{-3pt}
4357
4358 {\Large\bfseries \@customlogo}
4359 \hrulefill
4360 \hspace{10pt}\xepersian@headDateTime
4361
4362 }
4363 \newcommand{\minilogo}[0]{
4364 {\large\bfseries \@customminilogo}
4365
4366 \vspace*{5pt}
4367 }
4368 \newcommand{\mylogo}[1]{
4369 {\beginR#1\endR}
4370
4371 \noindent
4372 \xepersian@editionLogo\hspace{5pt}
4373 \hrulefill
4374 \hspace{5pt}\xepersian@headDateTime
4375 }
4376 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4377 \newenvironment{frontpage}[0]
4378 {
4379 \setboolean{xepersian@insidefrontpage}{true}
4380 \thispagestyle{empty}
4381 \logo
4382
4383 }%
4384 {
4385 \thispagestyle{empty}
4386 \clearpage
4387 \newpage
4388 \fancyhead{}
4389 \fancyfoot{}
4390 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4391 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4392 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4393 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4394 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4395 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4396 \renewcommand{\headrulewidth}{0.4pt}
4397 \setboolean{xepersian@insidefrontpage}{false}
4398
4399 }
4400 \newcommand{\firstarticle}[3]
4401 {
4402 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4403 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4404 \begin{textblock}{24}(22,5)
4405 }

```



```

4406 {
4407 \begin{textblock}{28}(22,5)
4408 }
4409 \vspace{-7pt}
4410 \xepersian@firstTitle{#1}
4411 \end{textblock}
4412 \begin{textblock}{29}(22,10)
4413 \vspace{5pt plus 2pt minus 2pt}
4414
4415 \xepersian@firstText{\timestamp{#3}~#2}
4416
4417 \end{textblock}
4418
4419 \begin{textblock}{50}(0,15)
4420 \rule{50\TPHorizModule}{.3pt}
4421 \end{textblock}
4422 }{%else
4423 \ClassError{xepersian-magazine}{%
4424 \protect\firstarticle\space in a wrong place.\MessageBreak
4425 \protect\firstarticle\space may only appear inside frontpage environment.
4426 }{%
4427 \protect\firstarticle\space may only appear inside frontpage environment.
4428 }%
4429 }
4430 }
4431 \newcommand{\secondarticle}[5]
4432 {
4433 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4434 \begin{textblock}{33}(2,16)
4435 \xepersian@pages{#4}
4436 \vspace{-5pt}
4437 \xepersian@secondTitle{#1}
4438
4439 \vspace*{5pt}
4440
4441 \xepersian@secondSubtitle{#2}
4442
4443 \vspace*{-7pt}
4444
4445 \xepersian@secondText{\timestamp{#5}~#3}
4446
4447 \end{textblock}
4448
4449 \begin{textblock}{33}(2,25)
4450 \vspace{5pt plus 2pt minus 2pt}
4451
4452 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4453 \end{textblock}
4454 }{%else
4455 \ClassError{xepersian-magazine}{%

```



```

4456 \protect\secondarticle\space in a wrong place.\MessageBreak
4457 \protect\secondarticle\space may only appear inside frontpage environment.
4458 }{%
4459 \protect\secondarticle\space may only appear inside frontpage environment.
4460 }%
4461 }
4462 }
4463 \newcommand{\thirdarticle}[6]
4464 {
4465 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4466 \begin{textblock}{32}(2,26)
4467 \xepersian@pages{#5}
4468 \vspace{-5pt}
4469 \setlength{\fboxsep}{1pt}
4470 \xepersian@thirdTitle{#1}
4471
4472 \vspace*{5pt}
4473
4474 \xepersian@thirdSubtitle{#2}
4475
4476 \vspace*{5pt}
4477
4478 {\noindent\ignorespaces %
4479 \ifthenelse{\equal{#4}{}}{}
4480
4481 \xepersian@thirdText{\timestamp{#6}~#3}
4482
4483 }
4484
4485 \vspace*{5pt}
4486
4487 \end{textblock}
4488 }{%else
4489 \ClassError{xepersian-magazine}{%
4490 \protect\thirdarticle\space in a wrong place.\MessageBreak
4491 \protect\thirdarticle\space may only appear inside frontpage environment.
4492 }{%
4493 \protect\thirdarticle\space may only appear inside frontpage environment.
4494 }%
4495 }
4496 }
4497 \newcommand{\firstimage}[2]
4498 {
4499 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4500 \begin{textblock}{18}(2,5)
4501 \setlength{\fboxsep}{1pt}
4502 \ifxetex % only in PDF
4503 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4504 \fi
4505

```





```

4506 \xepersian@pictureCaption{#2}
4507 \end{textblock}%
4508 }
4509 {\ClassError{xepersian-magazine}{%
4510 \protect\firstimage\space in a wrong place.\MessageBreak
4511 \protect\firstimage\space may only appear inside frontpage environment.
4512 }{%
4513 \protect\firstimage\space may only appear inside frontpage environment.
4514 }}
4515 }%
4516 \newcommand{\weatheritem}[5]{%
4517 \ifthenelse{\boolean{xepersian@insideweather}}{
4518 \begin{minipage}{45pt}
4519 \ifxetex
4520 \includegraphics[width=40pt]{#1}
4521 \fi
4522 \end{minipage}
4523 \begin{minipage}{50pt}
4524 \weatherTempFormat
4525 #2\\
4526 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4527 #5
4528 \end{minipage}
4529 }{%else
4530 \ClassError{xepersian-magazine}{%
4531 \protect\weatheritem\space in a wrong place.\MessageBreak
4532 \protect\weatheritem\space may only appear inside weatherblock environment.
4533 }{%
4534 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4535 weatherblock environment may only appear inside frontpage environment.
4536 }%
4537 }
4538 }
4539 \newenvironment{weatherblock}[1]
4540 {
4541 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4542 \setboolean{xepersian@insideweather}{true}
4543 \begin{textblock}{32}(2,38)
4544 \vspace*{-15pt}
4545
4546 \xepersian@weather{\beginR#1\endR}
4547
4548 \vspace*{5pt}
4549
4550 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4551 \begin{minipage}{32\TPHorizModule}
4552 \hspace{5pt}
4553
4554 }{%
4555 \ClassError{xepersian-magazine}{%

```



```

4556 weatherblock in a wrong place.\MessageBreak
4557 weatherblock may only appear inside frontpage environment.
4558 }{%
4559 weatherblock may only appear inside frontpage environment.
4560 }
4561 }
4562 }%
4563 {
4564 \end{minipage}
4565 \end{xepersian@fmpage}
4566 \end{textblock}
4567 \setboolean{xepersian@insideweather}{false}
4568 }
4569 \newenvironment{authorblock}[0]
4570 {
4571 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4572 \begin{textblock}{15}(36,35)
4573 \setlength{\fboxsep}{5pt}
4574 \begin{xepersian@fmpage}{13\TPHorizModule}
4575 \begin{minipage}{13\TPHorizModule}
4576 \centering
4577 \minilogo
4578
4579 }{%else
4580 \ClassError{xepersian-magazine}{%
4581 authorblock in a wrong place.\MessageBreak
4582 authorblock may only appear inside frontpage environment.
4583 }{%
4584 authorblock may only appear inside frontpage environment.
4585 }
4586 }
4587 }
4588 {
4589 \end{minipage}
4590 \end{xepersian@fmpage}
4591 \end{textblock}
4592 }
4593 \newenvironment{indexblock}[1]
4594 {
4595 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4596 \setboolean{xepersian@insideindex}{true}%let's in
4597 \begin{textblock}{15}(36,16)
4598 \setlength{xepersian@indexwidth}{13\TPHorizModule}
4599 \xepersian@indexFrameTitle{#1}
4600
4601 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4602 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4603 \begin{minipage}{\xepersian@indexwidth}
4604 \vspace*{10pt}
4605 }{%else

```



```

4606 \ClassError{xepersian-magazine}{%
4607 indexblock in a wrong place.\MessageBreak
4608 indexblock may only appear inside frontpage environment.
4609 }{%
4610 indexblock may only appear inside frontpage environment.
4611 }
4612 }
4613 }%
4614 {
4615 \end{minipage}
4616 \end{xepersian@fmpage}
4617 \end{textblock}
4618 \setboolean{xepersian@insideindex}{false}%let's out
4619 }
4620 \newcommand{\indexitem}[2]
4621 {
4622 \ifthenelse{\boolean{xepersian@insideindex}}{
4623 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4624
4625 \vspace{0.5cm}
4626
4627 \noindent\ignorespaces\indexEntrySeparator{}
4628 }{%else
4629 \ClassError{xepersian-magazine}{%
4630 \protect\indexitem\space in a wrong place.\MessageBreak
4631 \protect\indexitem\space may only appear inside indexblock environment.
4632 }{%
4633 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4634 indexblock environment may only appear inside frontpage environment.
4635 }%
4636 }
4637 }
4638 \newcommand{\xepersian@inexpandedtitle}[1]{
4639 \begin{minipage}{.95\textwidth}
4640 \begin{center}
4641 \noindent\Large\textbf{\beginR#1\endR}
4642 \end{center}
4643 \end{minipage}
4644 }
4645 \newcommand{\expandedtitle}[2]{
4646 \end{multicols}
4647
4648 \begin{center}
4649 \setlength{\fboxsep}{5pt}
4650 \setlength{\shadowsize}{2pt}
4651 \ifthenelse{equal{#1}{shadowbox}}{%
4652 \shadowbox{%
4653 \xepersian@inexpandedtitle{#2}%
4654 }%
4655 }{}

```



```

4656 \ifthenelse{\equal{#1}{doublebox}}{%
4657 \doublebox{%
4658 \xepersian@inexpandedtitle{#2}%
4659 }%
4660 }{}
4661 \ifthenelse{\equal{#1}{ovalbox}}{%
4662 \ovalbox{%
4663 \xepersian@inexpandedtitle{#2}%
4664 }%
4665 }{}
4666 \ifthenelse{\equal{#1}{ovalbox}}{%
4667 \ovalbox{%
4668 \xepersian@inexpandedtitle{#2}%
4669 }%
4670 }{}
4671 \ifthenelse{\equal{#1}{lines}}{
4672 \hrule
4673 \vspace*{8pt}
4674 \begin{center}
4675 \noindent\Large\textbf{#2}
4676 \end{center}
4677 \vspace*{8pt}
4678 \hrule
4679 }{}
4680 \end{center}
4681
4682 \begin{multicols}{\xepersian@ncolumns{}}
4683 \ifnum \xepersian@ncolumns > \minraggedcols
4684 \raggedFormat
4685 \fi
4686 }
4687 \newcommand{\xepersian@incolumntitle}[2]{
4688 \begin{minipage}{#1}
4689 \begin{center}
4690 \noindent\normalsize\textbf{#2}
4691 \end{center}
4692 \end{minipage}
4693 }
4694
4695 \newcommand{\columnntitle}[2]{
4696 \vspace*{5pt}
4697 \begin{center}
4698 \setlength{\fboxsep}{5pt}
4699 \setlength{\shadowsize}{2pt}
4700 \addtolength{\xepersian@coltitsize}{\columnwidth}
4701 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4702 \addtolength{\xepersian@coltitsize}{-5pt}
4703 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4704 \ifthenelse{\equal{#1}{shadowbox}}{%
4705 \shadowbox{%

```



```

4706 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4707 }%
4708 }{}
4709 \ifthenelse{\equal{#1}{doublebox}}{%
4710 \doublebox{%
4711 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4712 }%
4713 }{}
4714 \ifthenelse{\equal{#1}{ovalbox}}{%
4715 \ovalbox{%
4716 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4717 }%
4718 }{}
4719 \ifthenelse{\equal{#1}{Ovalbox}}{%
4720 \Ovalbox{%
4721 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4722 }%
4723 }{}
4724 \ifthenelse{\equal{#1}{lines}}{
4725 \hrule
4726 \vspace*{5pt}
4727 \begin{center}
4728 \noindent\normalsize\textbf{#2}
4729 \end{center}
4730 \vspace*{5pt}
4731 \hrule
4732 }{}
4733 \end{center}
4734 }
4735 \renewcommand{\date}{%
4736 \longdate{\today}%
4737 }
4738 \newcommand{\authorandplace}[2]{%
4739 \rightline{%
4740 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4741 }%
4742 \par %
4743 }
4744 \newcommand{\newsection}[1]{
4745 \renewcommand{\xepersian@section}{#1}
4746 }
4747 \newenvironment{article}[5]
4748 {
4749 \xepersian@say{Adding a new piece of article}
4750 \renewcommand{\xepersian@ncolumns}{#1}
4751 \begin{multicols}{#1}[
4752 \xepersian@pages{#4}
4753 \xepersian@innerTitle{#2}%
4754 \xepersian@innerSubtitle{#3}%
4755 ] [4cm]%

```



```

4756 \label{#5}
4757 \ifnum #1 > \minraggedcols
4758 \raggedFormat
4759 \fi
4760 }
4761 {\innerTextFinalMark{}}
4762 \end{multicols}
4763 }
4764 \newcommand{\articlesep}{%
4765 \setlength{\xepersian@pageneed}{16000pt}
4766 \setlength{\xepersian@pageleft}{\pagegoal}
4767 \addtolength{\xepersian@pageleft}{-\pagetotal}
4768
4769 \xepersian@say{How much left \the\xepersian@pageleft}
4770
4771 \ifdim \xepersian@pageneed < \xepersian@pageleft
4772 \xepersian@say{Not enough space}
4773 \else
4774 \xepersian@say{Adding sep line between articles}
4775 \vspace*{10pt plus 10pt minus 5pt}
4776 \hrule
4777 \vspace*{10pt plus 5pt minus 5pt}
4778 \fi
4779
4780 }
4781 \newcommand{\xepersian@editorialTit}[2]{
4782 \setlength{\arrayrulewidth}{.1pt}
4783 \begin{center}
4784 \begin{tabular}{c}
4785 \noindent
4786 \xepersian@editorialTitle{#1}
4787 \vspace{2pt plus 1pt minus 1pt}
4788 \\
4789 \hline
4790 \vspace{2pt plus 1pt minus 1pt}
4791 \\
4792 \editorialAuthorFormat{#2}
4793 \end{tabular}
4794 \end{center}
4795 }
4796 \newenvironment{editorial}[4]
4797 {
4798 \xepersian@say{Adding a new editorial}
4799 \begin{multicols}{#1}[%
4800 \xepersian@editorialTit{#2}{#3}%
4801 ] [4cm]
4802 \label{#4}
4803 \ifnum #1 > \minraggedcols
4804 \raggedFormat
4805 \fi

```



```

4806 }
4807 {
4808 \end{multicols}
4809 }
4810 \newcommand{\xepersian@shortarticleTit}[2]{
4811 \begin{center}
4812 \vbox{%
4813 \noindent
4814 \xepersian@shortarticleTitle{#1}
4815 \vspace{4pt plus 2pt minus 2pt}
4816 \hrule
4817 \vspace{4pt plus 2pt minus 2pt}
4818 \xepersian@shortarticleSubtitle{#2}
4819 }
4820 \end{center}
4821 }
4822 \newenvironment{shortarticle}[4]
4823 {
4824 \xepersian@say{Adding a short article block}
4825 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4826 \label{#4}
4827 \par %
4828 \ifnum #1 > \minraggedcols
4829 \raggedFormat
4830 \fi
4831 }
4832 {
4833 \end{multicols}
4834 }
4835 \newcommand{\shortarticleitem}[2]{
4836 \goodbreak
4837 \vspace{5pt plus 3pt minus 3pt}
4838 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4839 \vspace{5pt plus 3pt minus 3pt}
4840 {\noindent #2}\\
4841 }

```

## 58 File xepersian-mathsdigitspec.sty

```

4842 \NeedsTeXFormat{LaTeX2e}
4843 \ProvidesPackage{xepersian-mathsdigitspec}
4844 [2018/01/01 v1.1.5 Unicode Persian maths digits in XeLaTeX]
4845 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4846 \let\newfam\new@mathgroup
4847 \def\select@group#1#2#3#4{%
4848 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4849 {%
4850 \ifmmode
4851 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4852 \begin@group

```



```

4853     \escapechar\m@ne
4854     \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4855     \globaldefs\@ne \math@fonts
4856     \endgroup
4857     \init@restore@version
4858     \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4859         {\number\csname c@mv@\math@version\endcsname}}%
4860     \global\advance\csname c@mv@\math@version\endcsname\@ne
4861     \else
4862     \let#1\relax
4863     \@latex@error{Too many math alphabets used in
4864         version \math@version}%
4865     \@eha
4866     \fi
4867     \else \expandafter\non@alpherr\fi
4868     #1{#4}%
4869     }%
4870 }
4871 \def\document@select@group#1#2#3#4{%
4872     \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4873     {%
4874     \ifmmode
4875         \ifnum\csname c@mv@\math@version\endcsname<\@ccclvi
4876             \begingroup
4877             \escapechar\m@ne
4878             \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4879             \globaldefs\@ne \math@fonts
4880             \endgroup
4881             \expandafter\extract@alph@from@version
4882             \csname mv@\math@version\expandafter\endcsname
4883             \expandafter{\number\csname
4884                 c@mv@\math@version\endcsname}%
4885                 #1%
4886             \global\advance\csname c@mv@\math@version\endcsname\@ne
4887             \else
4888             \let#1\relax
4889             \@latex@error{Too many math alphabets used
4890                 in version \math@version}%
4891             \@eha
4892             \fi
4893             \else \expandafter\non@alpherr\fi
4894             #1{#4}%
4895             }%
4896     }
4897     \ExplSyntaxOn
4898     \bool_set_false:N \g__fontspec_math_bool
4899     \tl_map_inline:nn
4900     {
4901     \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4902     \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@

```





```

4903 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4904 \version@list\version@elt\alpha@list\alpha@elt
4905 \restore@mathversion\init@restore@version\dorestore@version\process@table
4906 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4907 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4908 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4909 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4910 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4911 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4912 \set@mathdelimiter\DeclareMathRadical\mathchar@type
4913 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4914 }
4915 {
4916 \tl_remove_once:Nn \@preamblecmds {\do#1}
4917 }
4918 \ExplSyntaxOff
4919 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4920 \newcommand\SetMathCode[4]{%
4921 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4922 \newcommand\SetMathCharDef[4]{%
4923 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4924 \ExplSyntaxOn
4925 \cs_new_eq:NN \orig_mathbf:n \mathbf
4926 \cs_new_eq:NN \orig_mathit:n \mathit
4927 \cs_new_eq:NN \orig_mathrm:n \mathrm
4928 \cs_new_eq:NN \orig_mathsf:n \mathsf
4929 \cs_new_eq:NN \orig_mathtt:n \mathtt
4930 \NewDocumentCommand \new@mathbf { m } {
4931 \orig_mathbf:n {
4932 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4933 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4934 }
4935 #1
4936 }
4937 }
4938 \NewDocumentCommand \new@mathit { m } {
4939 \orig_mathit:n {
4940 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4941 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4942 }
4943 #1
4944 }
4945 }
4946 \NewDocumentCommand \new@mathrm { m } {
4947 \orig_mathrm:n {
4948 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4949 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4950 }
4951 #1
4952 }

```



```

4953 }
4954 \NewDocumentCommand \new@mathsf{ m } {
4955   \orig_mathsf:n {
4956     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4957       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4958     }
4959     #1
4960   }
4961 }
4962 \NewDocumentCommand \new@mathtt{ m } {
4963   \orig_mathtt:n {
4964     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4965       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4966     }
4967     #1
4968   }
4969 }
4970
4971 \DeclareDocumentCommand \setmathdigitfont { 0{ } m 0{ } }
4972 {
4973   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
4974 }
4975 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
4976 {
4977   \let\glb@currsize\relax
4978   \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Mapping=parsidigits,#1} {#2}
4979   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
4980   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4981   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4982   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4983   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4984   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4985   \def\persianmathsdigits{%
4986     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4987     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4988     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4989     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4990     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4991     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4992     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4993     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4994     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4995     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4996     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
4997     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4998     \tl_set_eq:NN \mathbf \new@mathbf
4999     \tl_set_eq:NN \mathit \new@mathit
5000     \tl_set_eq:NN \mathrm \new@mathrm
5001   }
5002

```



```

5003 \cs_set_eq:NN \__xepersian_setmathsdigitfont_hook:nn \use_none:nn
5004
5005 \DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
5006 {
5007   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5008 }
5009 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5010 {
5011   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1} {#2}
5012   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5013   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5014   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5015 }
5016
5017 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5018
5019 \DeclareDocumentCommand \setmathttdigitfont { O{} m O{} }
5020 {
5021   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5022 }
5023 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5024 {
5025   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1} {#2}
5026   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5027   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5028   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5029 }
5030
5031 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5032
5033 \ExplSyntaxOff
5034 \ifx\newcommand\undefined\else
5035   \newcommand{\ZifferAn}{}
5036 \fi
5037 \mathchardef\ziffer@DotOri="013A
5038 {\ZifferAn
5039 \catcode\.\=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
5040 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
5041 \def\ziffer@check#1#2{%
5042   \ifx\n1\endgroup#1\else
5043     \ifx\n2\endgroup#1\else
5044       \ifx\n3\endgroup#1\else
5045         \ifx\n4\endgroup#1\else
5046           \ifx\n5\endgroup#1\else
5047             \ifx\n6\endgroup#1\else
5048               \ifx\n7\endgroup#1\else
5049                 \ifx\n8\endgroup#1\else
5050                   \ifx\n9\endgroup#1\else
5051                     \ifx\n0\endgroup#1\else
5052                       \ifx\n\overline\endgroup#1\else

```



```

5053             \endgroup#2%
5054             \fi
5055         \fi
5056     \fi
5057 \fi
5058 \fi
5059 \fi
5060 \fi
5061 \fi
5062 \fi
5063 \fi
5064 \fi}
5065 \mathcode`."8000\relax
5066 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
5067 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
5068 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
5069 \def\DefaultMathsDigits{%
5070     \DefaultInlineMathsDigits%
5071     \DefaultDisplayMathsDigits%
5072 }
5073 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
5074 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5075 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5076 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5077 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5078 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5079 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5080 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5081 \def\PersianMathsDigits{%
5082     \PersianInlineMathsDigits%
5083     \PersianDisplayMathsDigits%
5084 }
5085 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
5086 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5087 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5088 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5089 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5090 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5091 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5092 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5093 \def\AutoMathsDigits{%
5094     \AutoInlineMathsDigits%
5095     \AutoDisplayMathsDigits%
5096 }
5097 \AutoMathsDigits
5098 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
5099 \let\SetDisplayMathsDigits\relax%
5100 }
5101 \everydisplay\expandafter{%
5102     \the\everydisplay\SetDisplayMathsDigits%

```



```

5103 \let\SetInlineMathsDigits\relax%
5104 }

```

## 59 File xepersian-multiplechoice.sty

```

5105 \NeedsTeXFormat{LaTeX2e}
5106 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5107         Multiple Choice Questionnaire class for Persian in XeLaTeX]
5108 \RequirePackage{pifont}
5109 \RequirePackage{fullpage}
5110 \RequirePackage{ifthen}
5111 \RequirePackage{calc}
5112 \RequirePackage{verbatim}
5113 \RequirePackage{tabularx}
5114 \def\@headerfont{\bfseries}
5115 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5116 \def\@X{X}
5117 \newcommand\X[1]{\gdef\@X{#1}}
5118 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5119 \newcolumnntype{D}{>{\pbs\centering}X}
5120 \newcolumnntype{Q}{>{\@headerfont}X}
5121
5122 \renewcommand\tabularxcolumn[1]{m{#1}}
5123 \newcommand\makeform@nocorrection{%
5124     \addtocontents{frm}{\protect\end{tabularx}}
5125     \@starttoc{frm}}
5126 \newcommand\makeform@correction{%
5127     \addtocontents{frm}{\protect\end{tabularx}}}
5128 \newcommand\makemask@nocorrection{%
5129     \addtocontents{msk}{\protect\end{tabularx}}
5130     \@starttoc{msk}}
5131 \newcommand\makemask@correction{%
5132     \addtocontents{msk}{\protect\end{tabularx}}}
5133 \newlength\questionspace
5134 \setlength\questionspace{0pt}
5135 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5136 \def\@answerstitlefont{\bfseries}
5137 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5138 \def\@answernumberfont{\bfseries}
5139 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5140 \newcounter{question}\stepcounter{question}
5141 \newcounter{@choice}
5142 \def\@initortcheck{%
5143     \xdef\@choices{\the@choice}%
5144     \setcounter{@choice}{1}%
5145     \gdef\@arraydesc{|Q||}%
5146     \gdef\@headerline{}}
5147 \whiledo{\not{\value{@choice}>\@choices}}{
5148     \xdef\@arraydesc{\@arraydesc D|}
5149     \def\@appendheader{\g@addto@macro\@headerline}

```



```

5150 \appendheader{&\protect\@headerfont}
5151 \edef\@the@choice{{\alph{choice}}}
5152 \expandafter\@appendheader\@the@choice
5153 \stepcounter{choice}}%
5154 \addtocontents{frm}{%
5155 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5156 \protect\hline
5157 \@headerline\protect\\\protect\hline\protect\hline}%
5158 \addtocontents{msk}{%
5159 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5160 \protect\hline
5161 \@headerline\protect\\\protect\hline\protect\hline}%
5162 \gdef\@initorcheck{%
5163 \ifthenelse{value{choice} = \@choices}{}{%
5164 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5165 (\the@choice\space instead of \@choices)}{%
5166 Questions must all have the same number of proposed answers.%
5167 \MessageBreak
5168 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
5169 \newenvironment{question}[1]{%
5170 %% \begin{question}
5171 \begin{minipage}{\textwidth}
5172 \xdef\@formanswerline{\@questionheader}%
5173 \xdef\@maskanswerline{\@questionheader}%
5174 \fbox{\parbox[c]{\linewidth}{#1}}
5175 \vspace\questionspace\par
5176 {\@answerstitlefont\@answerstitle}
5177 \begin{list}{\@answernumberfont\alph{choice}}~{\usecounter{choice}}}%
5178 %% \end{question}
5179 \end{list}
5180 \@initorcheck%
5181 \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
5182 \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
5183 \end{minipage}
5184 \stepcounter{question}}
5185 \def\@truesymbol{\ding{52}~}
5186 \def\@falsesymbol{\ding{56}~}
5187 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5188 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5189 \def\@true@nocorrection{\item}
5190 \def\@false@nocorrection{\item}
5191 \def\@true@correction{\item[\@truesymbol\refstepcounter{choice}]}
5192 \def\@false@correction{\item[\@falsesymbol\refstepcounter{choice}]}
5193 \newcommand\true{%
5194 \xdef\@formanswerline{\@formanswerline&}%
5195 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5196 \@true}%
5197 \newcommand>false{%
5198 \xdef\@formanswerline{\@formanswerline&}%
5199 \xdef\@maskanswerline{\@maskanswerline&}%

```



```

5200 \@false}%
5201 \def\@correctionstyle{\itshape}
5202 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5203 \newenvironment{correction}{\@correctionstyle{}}
5204 \def\@questionheader{ \thequestion}
5205 \answerstyle{ \:
5206 \DeclareOption{nocorrection}{%
5207 \let\@true\@true@nocorrection
5208 \let\@false\@false@nocorrection
5209 \let\correction\comment
5210 \let\endcorrection\endcomment
5211 \def\makeform{\makeform@nocorrection}
5212 \def\makemask{\makemask@nocorrection}}
5213 \DeclareOption{correction}{%
5214 \let\@true\@true@correction
5215 \let\@false\@false@correction
5216 \let\correction\@correction
5217 \let\endcorrection\end@correction
5218 \def\makeform{\makeform@correction}
5219 \def\makemask{\makemask@correction}}
5220 \ExecuteOptions{nocorrection}
5221 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5222 \def\@questiontitlefont{\bfseries}
5223 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5224 \newlength\questiontitlespace
5225 \setlength\questiontitlespace{5pt}
5226 \newlength\questionsepspace
5227 \setlength\questionsepspace{20pt}
5228 \gdef\@questionsepspace{0pt}
5229 \let\old@question\question
5230 \let\old@endquestion\endquestion
5231 \renewenvironment{question}[1]{%
5232 %% \begin{question}
5233 \vspace\@questionsepspace
5234 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5235 \nopagebreak\vspace\questiontitlespace\par
5236 \old@question{#1}}{%
5237 %% \end{question}
5238 \old@endquestion
5239 \gdef\@questionsepspace{\questionsepspace}}
5240 \questiontitle{ \thequestion:}
5241 \ProcessOptions

```

## 60 File xepersian-persiancal.sty

```

5242 \NeedsTeXFormat{LaTeX2e}
5243 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5244
5245 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5246 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d

```



```

5247 \newcount\XePersian@latini \newcount\XePersian@persiani
5248 \newcount\XePersian@latinii \newcount\XePersian@persianii
5249 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5250 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5251 \newcount\XePersian@latinv \newcount\XePersian@persianv
5252 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5253 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5254 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5255 \newcount\XePersian@latinix \newcount\XePersian@persianix
5256 \newcount\XePersian@latinx \newcount\XePersian@persianx
5257 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5258 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5259 \newcount\XePersian@persianxiii
5260
5261 \newcount\XePersian@temp
5262 \newcount\XePersian@temptwo
5263 \newcount\XePersian@tempthree
5264 \newcount\XePersian@yModHundred
5265 \newcount\XePersian@thirtytwo
5266 \newcount\XePersian@dn
5267 \newcount\XePersian@sn
5268 \newcount\XePersian@mminusone
5269
5270
5271 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5272 \XePersian@temp=\XePersian@y
5273 \divide\XePersian@temp by 100\relax
5274 \multiply\XePersian@temp by 100\relax
5275 \XePersian@yModHundred=\XePersian@y
5276 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5277 \ifodd\XePersian@yModHundred
5278 \XePersian@leapfalse
5279 \else
5280 \XePersian@temp=\XePersian@yModHundred
5281 \divide\XePersian@temp by 2\relax
5282 \ifodd\XePersian@temp\XePersian@leapfalse
5283 \else
5284 \ifnum\XePersian@yModHundred=0%
5285 \XePersian@temp=\XePersian@y
5286 \divide\XePersian@temp by 400\relax
5287 \multiply\XePersian@temp by 400\relax
5288 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5289 \else\XePersian@leaptrue
5290 \fi
5291 \fi
5292 \fi
5293 \XePersian@latini=31\relax
5294 \ifXePersian@leap
5295 \XePersian@latinii = 29\relax
5296 \else

```





```

5297 \XePersian@latinii = 28\relax
5298 \fi
5299 \XePersian@latiniii = 31\relax
5300 \XePersian@latiniv = 30\relax
5301 \XePersian@latinv = 31\relax
5302 \XePersian@latinvi = 30\relax
5303 \XePersian@latinvii = 31\relax
5304 \XePersian@latinviii = 31\relax
5305 \XePersian@latinix = 30\relax
5306 \XePersian@latinx = 31\relax
5307 \XePersian@latinxi = 30\relax
5308 \XePersian@latinxii = 31\relax
5309 \XePersian@thirtytwo=32\relax
5310 \XePersian@temp=\XePersian@y
5311 \advance\XePersian@temp by -17\relax
5312 \XePersian@temptwo=\XePersian@temp
5313 \divide\XePersian@temptwo by 33\relax
5314 \multiply\XePersian@temptwo by 33\relax
5315 \advance\XePersian@temp by -\XePersian@temptwo
5316 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5317 \else
5318 \XePersian@temptwo=\XePersian@temp
5319 \divide\XePersian@temptwo by 4\relax
5320 \multiply\XePersian@temptwo by 4\relax
5321 \advance\XePersian@temp by -\XePersian@temptwo
5322 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5323 \fi
5324 \XePersian@tempthree=\XePersian@y % Number of Leap years
5325 \advance\XePersian@tempthree by -1
5326 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5327 \divide\XePersian@temp by 4\relax
5328 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5329 \divide\XePersian@temptwo by 100\relax
5330 \advance\XePersian@temp by -\XePersian@temptwo
5331 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5332 \divide\XePersian@temptwo by 400\relax
5333 \advance\XePersian@temp by \XePersian@temptwo
5334 \advance\XePersian@tempthree by -611 % Number of Kabise years
5335 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5336 \divide\XePersian@temptwo by 33\relax
5337 \multiply\XePersian@temptwo by 8\relax
5338 \advance\XePersian@temp by -\XePersian@temptwo
5339 \XePersian@temptwo=\XePersian@tempthree %
5340 \divide\XePersian@temptwo by 33\relax
5341 \multiply\XePersian@temptwo by 33\relax
5342 \advance\XePersian@tempthree by -\XePersian@temptwo
5343 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
5344 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5345 \advance\XePersian@temp by -\XePersian@tempthree
5346 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value

```



```

5347 \XePersian@persiani=31
5348 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5349 \XePersian@persianii = 30\relax
5350 \ifXePersian@kabiseh
5351 \XePersian@persianiii = 30\relax
5352 \else
5353 \XePersian@persianiii = 29\relax
5354 \fi
5355 \XePersian@persianiv = 31\relax
5356 \XePersian@persianv = 31\relax
5357 \XePersian@persianvi = 31\relax
5358 \XePersian@persianvii = 31\relax
5359 \XePersian@persianviii= 31\relax
5360 \XePersian@persianix = 31\relax
5361 \XePersian@persianx = 30\relax
5362 \XePersian@persianxi = 30\relax
5363 \XePersian@persianxii = 30\relax
5364 \XePersian@persianxiii= 30\relax
5365 \XePersian@dn= 0\relax
5366 \XePersian@sn= 0\relax
5367 \XePersian@mminusone=\XePersian@m
5368 \advance\XePersian@mminusone by -1\relax
5369 \XePersian@i=0\relax
5370 \ifnum\XePersian@i < \XePersian@mminusone
5371 \loop
5372 \advance \XePersian@i by 1\relax
5373 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5374 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5375 \fi
5376 \advance \XePersian@dn by \XePersian@d
5377 \XePersian@i=1\relax
5378 \XePersian@sn = \XePersian@persiani
5379 \ifnum \XePersian@sn<\XePersian@dn
5380 \loop
5381 \advance \XePersian@i by 1\relax
5382 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5383 \ifnum \XePersian@sn<\XePersian@dn \repeat
5384 \fi
5385 \ifnum \XePersian@i < 4
5386 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5387 \advance \XePersian@y by -622\relax
5388 \else
5389 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5390 \advance \XePersian@y by -621\relax
5391 \fi
5392 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5393 \endcsname
5394 \ifnum\XePersian@i = 1
5395 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian
5396 \else

```



```

5397 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5398 \fi
5399 \newcommand*{\persiantoday}{\%
5400 \number\XePersian@d\space%
5401 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5402 }
5403 \let\persianyear\XePersian@y
5404 \let\persianmonth\XePersian@m
5405 \let\persianday\XePersian@d
5406 \def\XePersian@persian@month#1{\ifcase#1\or or\
5407 or\
5408 or\ or\
5409 or\
5410 or\ or\
5411 or\ or\
5412 or\ or\
5413 \fi\

```



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