

# datetime2-it-fulltext

Claudio Duchi email: claduc at libero dot it

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This packet defines five styles for datetime2, it-fulltext, it-fulltext-twenty-four, it-fulltext-second, it-fulltext-twenty-four-second, it-fulltext-semplce. The necessary packets are datetime2, itnumpar, ifxetex and ifluatex. The packet is the translation and adaptation of datetime2-en-fulltext.

```
\DTMsetdatestyle{it-fulltext}  
\DTMsavetimestamp{mydate}{2015-04-01T08:05:00+01:00}  
\DTMuse{mydate}
```

mercoledì primo aprile, duemilaquindici cinque minuti dopo le otto del mattino CET

```
\DTMsettimestyle{it-fulltext}  
\DTMdisplaytime{0}{1}{1}.
```

0:01:01 un minuto dopo mezzanotte.

```
\DTMsetdatestyle{it-fulltext-twenty-four}  
\DTMsavetimestamp{mydate}{2015-04-01T08:05:00+01:00}  
\DTMuse{mydate}
```

mercoledì primo aprile, duemilaquindici 08:05:00 CET

```
\DTMsetdatestyle{it-fulltext-twenty-four}  
\DTMsettimestyle{it-fulltext-twenty-four}  
\DTMsavetimestamp{mydate}{2015-04-01T08:05:00+01:00}  
\DTMuse{mydate}
```

mercoledì primo aprile, duemilaquindici cinque minuti dopo le otto CET

```
\DTMsetdatestyle{it-fulltext-second}  
\DTMsettimestyle{it-fulltext-second}  
\DTMsavetimestamp{mydate}{2015-04-01T08:05:00+01:00}  
\DTMuse{mydate}
```

mercoledì primo aprile, duemilaquindici cinque minuti e zero secondi dopo le otto del mattino CET

```
\DTMsetdatestyle{it-fulltext-twenty-four-second}  
\DTMsettimestyle{it-fulltext-twenty-four-second}  
\DTMsavetimestamp{mydate}{2015-04-01T08:05:00+01:00}  
\DTMuse{mydate}
```

mercoledì primo aprile, duemilaquindici cinque minuti e zero secondi dopo le otto CET

```
\DTMsetdatestyle{it-fulltext-semplice}  
\DTMsettimestyle{it-fulltext-semplice}  
\DTMsavetimestamp{mydate}{2015-04-01T08:05:00+01:00}  
\DTMuse{mydate}
```

mercoledì primo aprile, duemilaquindici ore otto cinque minuti e zero secondi CET

## 1 The Code

```
1 \NeedsTeXFormat{LaTeX2e}  
2 \ProvidesPackage{datetime2-it-fulltext}[2015/08/06 v1.6]  
3 \DeclareOption*{\PassOptionsToPackage{\CurrentOption}{datetime2}}  
4 \ProcessOptions  
5 \RequirePackage{datetime2}  
6 \RequirePackage{itnumpar}  
7 \RequirePackage{ifxetex,ifluatex}  
8 \ifxetex  
9 \RequireDateTimeModule{it-fulltext-utf8}  
10 \else  
11 \ifluatex  
12 \RequireDateTimeModule{it-fulltext-utf8}  
13 \else  
14 \RequireDateTimeModule{it-fulltext-ascii}  
15 \fi  
16 \fi  
  
17 \def\CurrentTrackedDialect{italian}  
18 \RequireDateTimeModule{italian}  
19 \undef\CurrentTrackedDialect  
  
20 \newcommand*\DTMitfulltextmonthyearsep{,\space}  
21 \newcommand{\DTMitore}[1]{%  
22 \ifcase#1\DTMitalianmidnight\or\DTMoneatnightstring\else\printnumeroinparole{#1}\fi}%  
23 \newcommand{\DTMitminuti}[1]{%  
24 \ifcase#1\DTMitzerominutestring\or\DTMitoneminutestring%  
25 \else\printnumeroinparole{#1}\space\DTMitminutestring\fi}%  
26 \newcommand{\DTMitsecondi}[1]{%  
27 \ifcase#1\printnumeroinparole{#1}\space\DTMitsecondsstring%  
28 \or\DTMitonesecondstring\space\DTMitsecondstring%  
29 \else\printnumeroinparole{#1}\space\DTMitsecondsstring%  
30 \fi}%  
  
31 \DTMnewdatestyle{it-fulltext}{%  
32 \renewcommand*\DTMdisplaydate[4]{%  
33 \ifDTMshowdown  
34 \ifnum##4>-1
```

```

35 \DTMitalianweekdayname{##4}\space\fi\fi%
36 \ifnum##3=1\DTMitthefirstoneofthemoth\space\DTMitalianmonthname{##2}%
37 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
38 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
39 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi}%
40 \DTMsetdatestyle{it-fulltext}
41 \DTMnewtimestyle{it-fulltext}{%
42 \renewcommand\DTMdisplaytime[3]{%
43 \ifboolexpr
44 {test {\ifnumequal{##2}{0}} and
45 (test {\ifnumequal{##1}{0}}
46 or test {\ifnumequal{##1}{12}}
47 or test {\ifnumequal{##1}{24}})}}%
48 {\ifnum##1=12\DTMitaliannoont\else\DTMitalianmidnight\fi}%
49 {\ifnum##2=0\ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}}
50 {\DTMoneatnightstring\space\DTMitoclockstring}%
51 {\ifnum##1>12\protect\printnumeroinparole{\numexpr##1-12}\space\DTMitoclockstring
52 \else\protect\printnumeroinparole{##1}\space\DTMitoclockstring\fi}%
53 \else
54 \ifnum##2<31
55 \ifnum##2=15
56 \ifnum##1=1\DTMquarterpaststringTWO\else
57 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{13}}}
58 {\DTMquarterpaststringONE}%
59 \ifnum##1=13\DTMquarterpaststringTWO\else\DTMquarterpaststringTHREE\fi}%
60 \fi%
61 \else%
62 \ifnum##2=30%
63 \ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}}
64 {\DTMhalfpaststringTWO}%
65 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}} or test {\ifnumcomp{##1}{=}{13}}}
66 {\DTMhalfpaststringONE}%
67 {\DTMhalfpaststringTHREE}}%
68 \else%
69 \ifnum##2=1\DTMoneminutestring\else\protect\printnumeroinparole{##2}\space%
70 \fi%
71 \ifnum##2=1
72 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{13}}}
73 {\DTMminutepaststringONE}%
74 \ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}
75 {\DTMminutepaststringTWO}%
76 {\DTMminutepaststringTHREE}}%
77 \else
78 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{13}}}
79 {\DTMminutespaststringONE}%THREE
80 \ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}
81 {\DTMminutespaststringTWO}%TWO
82 {\DTMminutespaststringTHREE}}\fi\fi\fi%
83 \ifnum##1>12
84 \ifnum##1=24\DTMitalianmidnight%

```

```

85 \else
86 \ifnum##1=13\DTMoneatnightstring\else\protect\printnumeroinparole{\numexpr##1-12}\fi%
87 \fi%
88 \else
89 \ifnum##1=0\DTMitalianmidnight%
90 \else
91 \ifnum##1=1\DTMoneatnightstring\else\ifnum##1=12\DTMitaliannoon\else\protect\printnumeroinpa
92 \fi%
93 \fi%
94 \else
95 \ifnum##2=45
96 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcom
97 {\DTMquartertostringTWO}%
98 \ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
99 {\DTMquartertostringONE}%
100 {\DTMquartertostringTHREE}}}%
101 \else
102 \ifnum##2=59\DTMoneminutestring\else\protect\printnumeroinparole{\numexpr60-##2}\fi
103 \ifnum##2=59
104 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{12}}or test {\ifnumcom
105 {\DTMminutetostringTWO}%
106 \ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
107 {\DTMminutetostringONE\space}%
108 {\DTMminutetostringTHREE\space}}}%
109 \else\space
110 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}or test {\ifnumcom
111 {\DTMminutestostringTWO}%
112 \ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
113 {\DTMminutestostringONE\space}%
114 {\DTMminutestostringTHREE\space}}}\fi\fi%
115 \ifnum##1>12
116 \ifnum##1=24\DTMoneatnightstring%
117 \else
118 \ifnum##1=23\DTMitalianmidnight\else\protect\printnumeroinparole{\numexpr##1-11}\fi\fi%
119 \else
120 \ifnum##1=12\DTMoneatnightstring\space\DTMitafternoonstring%
121 \else
122 \ifnum##1=0\DTMoneatnightstring\space%
123 \else%
124 \ifnum##1=11\DTMitaliannoon\else\protect\printnumeroinparole{\numexpr##1+1}\fi\fi\fi\fi\fi\fi
125 \ifnum##1>11
126 \ifnum##1=23
127 \ifnum##2<31\space\DTMitafternoonstring\fi%
128 \else
129 \ifnum##1=24
130 \ifnum##2>30\space\DTMitmorningstring\fi%
131 \else
132 \ifnum##1=12\space\else\space\DTMitafternoonstring\fi\fi\fi%
133 \else
134 \ifnum##1>0

```

```

135 \ifnum##1=11\else\space\DTMitmorningstring\fi%
136 \else
137 \ifnum##2>30\space\DTMitmorningstring\fi\fi\fi}}}%
138 \DTMnewdatestyle{it-fulltext-twenty-four}{%
139 \renewcommand*\DTMdisplaydate[4]{%
140 \ifDTMshowdown
141 \ifnum##4>-1\DTMitalianweekdayname{##4}\space\fi\fi%
142 \ifnum##3=1\DTMitthefirstoneofthemoth\space\DTMitalianmonthname{##2}%
143 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
144 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
145 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi}}}%
146 \DTMsetdatestyle{it-fulltext-twenty-four}
147 \DTMnewtimestyle{it-fulltext-twenty-four}{%
148 \renewcommand\DTMdisplaytime[3]{%
149 \ifboolexpr
150 {test {\ifnumequal{##2}{0}} and (test {\ifnumequal{##1}{0}}
151 or test {\ifnumequal{##1}{12}}
152 or test {\ifnumequal{##1}{24}}
153 )
154 }%
155 {%
156 \ifnum##1=12\DTMitaliannoon\else\DTMitalianmidnight
157 \fi
158 }%
159 {%
160 \ifnum##2=0\protect\printnumeroinparole{##1}\space\DTMitoclockstring%
161 \else
162 \ifnum##2<31
163 \ifnum##2=15
164 \ifnum##1=1\DTMquarterpaststringTWO\else
165 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}
166 {\DTMquarterpaststringONE}%
167 {\DTMquarterpaststringTHREE}}%
168 \fi%
169 \else
170 \ifnum##2=30
171 \ifnum##1=1\DTMhalfpaststringTWO%
172 \else%
173 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}} or test {\ifnumcomp{##1}{=}{12}}
174 {\DTMhalfpaststringONE}%
175 {\DTMhalfpaststringTHREE}}%
176 \fi
177 \else
178 \ifnum##2=1\DTMoneminutestring\else\protect\printnumeroinparole{##2}\space
179 \fi
180 \ifnum##2=1
181 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}
182 {\DTMminutepaststringONE}%one
183 {\ifnum##1=1\DTMminutepaststringTWO\else\DTMminutepaststringTHREE\fi}}%

```

```

184 \else
185 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcom
186 {\DTMminutespaststringONE}%THREE
187 {\ifnum##1=1\DTMminutespaststringTWO\else\DTMminutespaststringTHREE\fi}%
188 \fi%
189 \fi%
190 \fi%
191 \ifnum##1>12
192 \ifnum##1=24\DTMitalianmidnight\else\protect\printnumeroinparole{##1}%
193 \fi%
194 \else
195 \ifnum##1=0\DTMitalianmidnight\space%
196 \else
197 \ifnum##1=1\DTMoneatnightstring\else\ifnum##1=12\DTMitaliannoon\else\protect\printnumeroinpa
198 \fi
199 \fi
200 \else
201 \ifnum##2=45%
202 \ifboolexpr{test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{24}}}
203 {\DTMquartertoststringTWO}%
204 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
205 {\DTMquartertoststringONE}%
206 {\DTMquartertoststringTHREE}%
207 }%
208 \else
209 \ifnum##2=59\DTMoneminutestring\else\protect\printnumeroinparole{\numexpr60-##2}\space\fi
210 \ifnum##2=59
211 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
212 {\DTMminutetoststringTWO}%
213 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
214 {\DTMminutetoststringONE\space}%
215 {\DTMminutetoststringTHREE\space}%
216 }%
217 \else
218 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
219 {\DTMminutestoststringTWO}%
220 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
221 {\DTMminutestoststringONE\space}%
222 {\DTMminutestoststringTHREE\space}%
223 }%
224 \fi
225 \fi
226 \ifnum##1>12
227 \ifnum##1=24
228 \DTMoneatnightstring%
229 \else
230 \ifnum##1=23
231 \DTMitalianmidnight
232 \else
233 \protect\printnumeroinparole{##1}%

```

```

234 \fi
235 \fi
236 \else
237 \ifnum##1=12\protect\printnumeroinparole{\numexpr##1+1}
238 \else
239 \ifnum##1=0\DTMoneatnightstring%
240 \else
241 \ifnum##1=11\DTMitaliannoon\else\protect\printnumeroinparole{\numexpr##1+1}\fi
242 \fi%
243 \fi
244 \fi
245 \fi
246 \fi
247 }}}}

248 \DTMnewdatestyle{it-fulltext-second}{%
249 \renewcommand*{\DTMdisplaydate}[4]{%
250 \ifDTMshowdow\ifnum##4>-1\DTMitalianweekdayname{##4}\space\fi\fi%
251 \ifnum##3=1\DTMitthefirstoneofthemoth\space\DTMitalianmonthname{##2}%
252 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
253 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
254 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi}}%
255 \DTMsetdatestyle{it-fulltext-second}
256 \DTMnewtimestyle{it-fulltext-second}{%
257 \renewcommand{\DTMdisplaytime}[3]{%
258 \ifboolexpr
259 {test {\ifnumequal{##2}{0}} and
260 (test {\ifnumequal{##1}{0}}
261 or test {\ifnumequal{##1}{12}}
262 or test {\ifnumequal{##1}{24}} )}%
263 {\ifnum##1=12\DTMitaliannoon\space\DTMitsecondsep\space\DTMitminuti{##2}\DTMitsecondi{##3}
264 \else\DTMitalianmidnight\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}\fi}%
265 {\ifnum##2=0
266 \ifboolexpr{ (test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}) and test {\ifnum
267 {\DTMoneatnightstring\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}}%
268 {\ifnum##1>13\protect\printnumeroinparole{\numexpr##1-12}\space\DTMitsecondsep\DTMitminuti{##
269 \ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}
270 {\DTMoneatnightstring\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}}
271 {\printnumeroinparole{##1}\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}}\fi}%
272 \else
273 \ifnum##2<31
274 \ifnum##2=15
275 \ifnum##1=1\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringTWO\else
276 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumco
277 {\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%
278 {\ifnum##1=13\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringTWO \else\DTMq
279 \fi\else%
280 \ifnum##2=30
281 \ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}
282 {\DTMhalfstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTWO}%

```

```

283 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}} or test {\ifnumcomp
284 {\DTMhalfstringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%
285 {\DTMhalfstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}}}%
286 \else%
287 \ifnum##2=1\DTMoneminutestring\else\protect\printnumeroinparole{##2}\space%
288 \fi
289 \ifnum##2=1
290 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp
291 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%one
292 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}}
293 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitpoststringTWO}%two
294 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}}%three
295 }%
296 \else
297 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp
298 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%
299 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}}
300 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTWO}%TWO
301 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}}}%
302 \fi
303 \fi%
304 \fi%
305 \ifnum##1>12
306 \ifnum##1=24
307 \DTMitalianmidnight
308 \else
309 \ifnum##1=13\DTMoneatnightstring\else\protect\printnumeroinparole{\numexpr##1-12}\fi%
310 \fi%
311 \else
312 \ifnum##1=0
313 \DTMitalianmidnight
314 \else
315 \ifnum##1=1\DTMoneatnightstring\else\ifnum##1=12\DTMitaliannoon\else\protect\printnumeroinpa
316 \else
317 \ifnum##2=45
318 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp
319 {\DTMquartertostringZERO\DTMitsecondi{##3}\space\DTMitsep}%
320 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
321 {\DTMquartertostringZERO\DTMitsecondi{##3}\space\DTMitsecondsepTWO\space}%
322 {\DTMquartertostringZERO\DTMitsecondi{##3}\space\DTMitsepTWO\space}}}%
323 \else
324 \ifnum##2=59\DTMoneminutestring\else\protect\printnumeroinparole{\numexpr60-##2}\fi
325 \ifnum##2=59
326 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{12}}or test {\ifnumcomp
327 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitsep}%
328 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
329 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitsecondsepTWO\space}%
330 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitsepTWO\space}}}%
331 }%
332 \else\space

```

```

333 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}or test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
334 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitsep}%
335 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}}
336 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitsecondsepTWO\space}%
337 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitsepTWO\space}}%
338 \fi\fi%
339 \ifnum##1>12
340 \ifnum##1=24
341 \DTMoneatnightstring%
342 \else
343 \ifnum##1=23\DTMitalianmidnight\else\protect\printnumeroinparole{\numexpr##1-11}%
344 \fi
345 \fi
346 \else
347 \ifnum##1=12\DTMoneatnightstring%\DTMitafternoonstring%
348 \else
349 \ifnum##1=0\DTMoneatnightstring%\ifnum##2=45\DTMoneatnightstring\else\DTMoneatnightstring\fi
350 \else%
351 \ifnum##1=11\DTMitaliannoon\else\ifnum##2=45\protect\printnumeroinparole{\numexpr##1+1}
352 \else\protect\printnumeroinparole{\numexpr##1+1}\fi\fi\fi\fi\fi\fi%
353 \ifnum##1>11
354 \ifnum##1=23
355 \ifnum##2<31
356 \space\DTMitafternoonstring%
357 \fi
358 \else
359 \ifnum##1=24
360 \ifnum##2>30
361 \space\DTMitmorningstring%
362 \fi
363 \else
364 \ifnum##1=12\space\else\space\DTMitafternoonstring\fi
365 \fi
366 \fi
367 \else
368 \ifnum##1>0
369 \ifnum##1=11\else\space\DTMitmorningstring\fi
370 \else
371 \ifnum##2>30
372 \space\DTMitmorningstring
373 \fi
374 \fi
375 \fi
376 }}}%
377 \DTMnewdatestyle{it-fulltext-twenty-four-second}{%
378 \renewcommand*\DTMdisplaydate[4]{%
379 \ifnum##4>-1
380 \DTMitalianweekdayname{##4}\space%
381 \fi

```

```

382 \ifnum##3=1\DTMitthefirstoneofthemoth\space\DTMitalianmonthname{##2}%
383 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
384 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
385 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi%
386 }}%
387 \DTMsetdatestyle{it-fulltext-twenty-four-second}
388 \DTMnewtimestyle{it-fulltext-twenty-four-second}{%
389 \renewcommand\DTMdisplaytime[3]{%
390 \ifboolexpr
391 {test {\ifnumequal{##2}{0}} and
392 (test {\ifnumequal{##1}{0}}
393 or test {\ifnumequal{##1}{12}}
394 or test {\ifnumequal{##1}{24}}
395 )}%
396 {%
397 \ifnum##1=12\DTMitaliannoon\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}
398 \else\DTMitalianmidnight\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}%
399 \fi}%
400 {%
401 \ifnum##2=0\ifboolexpr{ (test {\ifnumcomp{##1}{=}{1}}) and test {\ifnumcomp{##3}{=}{0}}}
402 {\DTMoneatnightstring\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}}%
403 {\ifnum##1>13\protect\printnumeroinparole{##1}\space\DTMitminuti{##2}\space\DTMitsecondsep \
404 \ifnum##1=1\protect\DTMoneatnightstring\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}
405 \else\printnumeroinparole{##1}\space\DTMitminuti{##2}\DTMitsecondsep\DTMitsecondi{##3}\fi\fi
406 \else
407 \ifnum##2<31
408 \ifnum##2=15
409 \ifnum##1=1\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringTWO\else
410 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##3}{=}{0}}}
411 {\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%
412 {\ifnum##1=13\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE
413 \else\DTMquarterpaststringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE\fi}%
414 \fi%
415 \else%
416 \ifnum##2=30
417 \ifboolexpr{ test {\ifnumcomp{##1}{=}{1}} or test {\ifnumcomp{##1}{=}{13}}}
418 {\DTMhalfstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}%
419 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}} or test {\ifnumcomp{##3}{=}{0}}}
420 {\DTMhalfstringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%
421 {\DTMhalfstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}%
422 }%
423 \else%
424 \ifnum##2=1\DTMoneminutestring\else\protect\printnumeroinparole{##2}\space%
425 \fi
426 \ifnum##2=1
427 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##3}{=}{0}}}
428 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%one
429 \ifboolexpr{ test {\ifnumcomp{##1}{=}{13}} or test {\ifnumcomp{##1}{=}{1}}}
430 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}%two
431 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}%three

```

```

432 }%
433 \else
434 \ifboolexpr{ test {\ifnumcomp{##1}{=}{12}} or test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{24}}}
435 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitpoststringONE\space}%
436 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{13}}}
437 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}%TWO
438 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitpoststringTHREE}}%
439 \fi%
440 \fi%
441 \fi%
442 \ifnum##1>12
443 \ifnum##1=24
444 \DTMitalianmidnight
445 \else
446 \protect\printnumeroinparole{##1}%\fi%
447 \fi%
448 \else
449 \ifnum##1=0
450 \DTMitalianmidnight
451 \else
452 \ifnum##1=1\DTMoneatnightstring\else\ifnum##1=12\DTMitaliannoon
453 \else\protect\printnumeroinparole{##1}\fi\fi%
454 \fi
455 \fi
456 \else
457 \ifnum##2=45
458 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}}or test {\ifnumcomp{##1}{=}{24}}}
459 {\DTMquartertostringZERO\DTMitsecondi{##3}\space\DTMitsep}%
460 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
461 {\DTMquartertostringZERO\DTMitsecondi{##3}\space\DTMitsecondsepTWO\space}%
462 {\DTMquartertostringZERO\DTMitsecondi{##3}\space\DTMitsepTWO\space}%
463 }%
464 \else
465 \ifnum##2=59\DTMoneminutestring\else\protect\printnumeroinparole{\numexpr60-##2}\fi
466 \ifnum##2=59
467 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
468 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitsep}%
469 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
470 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitsecondsepTWO\space}%
471 {\DTMminutetostringZERO\DTMitsecondi{##3}\space\DTMitsepTWO\space}%
472 }%
473 \else\space
474 \ifboolexpr{ test {\ifnumcomp{##1}{=}{0}} or test {\ifnumcomp{##1}{=}{24}}}
475 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitsep}%
476 {\ifboolexpr{ test {\ifnumcomp{##1}{=}{11}} or test {\ifnumcomp{##1}{=}{23}}}
477 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitsecondsepTWO\space}%
478 {\DTMminutesstringZERO\DTMitsecondi{##3}\space\DTMitsepTWO\space}%
479 }%
480 \fi
481 \fi

```

```

482 \ifnum##1>12
483 \ifnum##1=24
484 \DTMoneatnightstring%
485 \else
486 \ifnum##1=23\DTMitalianmidnight\else\protect\printnumeroinparole{##1}%
487 \fi
488 \fi
489 \else
490 \ifnum##1=0\ifnum##2=45\DTMoneatnightstring\else\DTMoneatnightstring\fi%
491 \else%
492 \ifnum##1=11\DTMitaliannoon\else
493 \ifnum##2=45\protect\printnumeroinparole{\numexpr##1+1}
494 \else\protect\printnumeroinparole{\numexpr##1+1}\fi\fi
495 \fi%
496 \fi
497 \fi
498 \fi
499 }%
500 }%
501 }%

502 \DTMnewdatestyle{it-fulltext-semplice}{%
503 \renewcommand*\DTMdisplaydate[4]{%
504 \ifnum##4>-1\DTMitalianweekdayname{##4}\space\fi%
505 \ifnum##3=1\DTMitthefirstoneofthemoth\space\DTMitalianmonthname{##2}%
506 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\space%
507 \else\protect\printnumeroinparole{##3}\space\DTMitalianmonthname{##2}%
508 \DTMitfulltextmonthyearsep\protect\printnumeroinparole{##1}\fi%
509 }%
510 }%

511 \DTMsetdatestyle{it-fulltext-semplice}
512 \DTMnewtimestyle{it-fulltext-semplice}{%
513 \renewcommand*\DTMdisplaytime[3]{%
514 \ifboolexpr
515 {test {\ifnumequal{##1}{0}}
516 or test {\ifnumequal{##1}{12}}
517 or test {\ifnumequal{##1}{24}}}%
518 {\ifboolexpr
519 {test {\ifnumequal{##1}{0}}%
520 or test {\ifnumequal{##1}{24}}}%
521 {\DTMitalianmidnight\space\DTMitminuti{##2}\space\DTMitsecondsep\DTMitsecondi{##3}}%
522 {\DTMitaliannoon\space\DTMitminuti{##2}\space\DTMitsecondsep\DTMitsecondi{##3}}}%
523 {ore\space\DTMitore{##1}\space\DTMitminuti{##2}\space\DTMitsecondsep\DTMitsecondi{##3}}}%
524 }%
525 }%

526 \ProvidesDateTimeModule{it-fulltext-utf8}[2015/05/10 v1.2]

527 \newcommand*\DTMitsecondstring}{secondo}
528 \newcommand*\DTMitsecondsstring}{secondi}
529 \newcommand*\DTMitminutesstring}{minuti}

```

```

530 \newcommand*\DTMitsecondsep}{e\space}
531 \newcommand*\DTMitminutepastsep}{,\space}
532 \newcommand*\DTMitsecondsepTWO}{a}
533 \newcommand*\DTMitsep}{all'}
534 \newcommand*\DTMitsepTWO}{alle}
535 \newcommand*\DTMitonesecondstring}{un}
536 \newcommand*\DTMitpoststringONE}{dopo}
537 \newcommand*\DTMitpoststringTWO}{dopo l'}
538 \newcommand*\DTMitpoststringTHREE}{dopo le\space}
539 \newcommand*\DTMitoneminutestring}{un minuto\space}
540 \newcommand*\DTMitzerominutestring}{zero minuti\space}
541
542 \newcommand*\DTMitoclockstring}{in punto}
543 \newcommand*\DTMoneminutestring}{un\space}
544 \newcommand*\DTMoneatnightstring}{una}
545
546 \newcommand*\DTMitthefirststoneofthemoth}{primo}
547
548 \newcommand*\DTMquarterpaststringZERO}{quindici minuti e\space}
549 \newcommand*\DTMquarterpaststringONE}{quindici minuti dopo\space}
550 \newcommand*\DTMquarterpaststringTWO}{quindici minuti dopo l'}
551 \newcommand*\DTMquarterpaststringTHREE}{quindici minuti dopo le\space}
552
553 \newcommand*\DTMminutepaststringONE}{minuto dopo\space}
554 \newcommand*\DTMminutepaststringTWO}{minuto dopo l'}
555 \newcommand*\DTMminutepaststringTHREE}{minuto dopo le\space}
556
557 \newcommand*\DTMminutespaststringONE}{minuti dopo\space}
558 \newcommand*\DTMminutespaststringTWO}{minuti dopo l'}
559 \newcommand*\DTMminutespaststringTHREE}{minuti dopo le\space}
560
561 \newcommand*\DTMhalfstringZERO}{trenta minuti e\space}
562 \newcommand*\DTMhalfpaststringONE}{trenta minuti dopo\space}
563 \newcommand*\DTMhalfpaststringTWO}{trenta minuti dopo l'}
564 \newcommand*\DTMhalfpaststringTHREE}{trenta minuti dopo le\space}
565
566 \newcommand*\DTMquartertostringZERO}{un quarto e\space}
567 \newcommand*\DTMquartertostringONE}{un quarto a\space}
568 \newcommand*\DTMquartertostringTWO}{un quarto all'}
569 \newcommand*\DTMquartertostringTHREE}{un quarto alle\space}
570
571 \newcommand*\DTMminutetostringZERO}{minuto e\space}
572 \newcommand*\DTMminutetostringONE}{minuto a}
573 \newcommand*\DTMminutetostringTWO}{minuto all'}
574 \newcommand*\DTMminutetostringTHREE}{minuto alle}
575
576 \newcommand*\DTMminutesstringZERO}{minuti e\space}
577 \newcommand*\DTMminutesstringONE}{minuti a}
578 \newcommand*\DTMminutesstringTWO}{minuti all'}
579 \newcommand*\DTMminutesstringTHREE}{minuti alle}

```

```

580
581
582 \newcommand*\DTMitmorningstring{\del mattino}
583 \newcommand*\DTMitafternoonstring{\del pomeriggio}
584 \ProvidesDateTimeModule{it-fulltext-ascii}[2015/04/10 v1.1]
585 \newcommand*\DTMitsecondstring}{secondo}
586 \newcommand*\DTMitsecondsstring}{secondi}
587 \newcommand*\DTMitminutesstring}{minuti}
588 \newcommand*\DTMitsecondsep}{e\space}
589 \newcommand*\DTMitminutesssep}{,\space}
590 \newcommand*\DTMitsecondsepTWO}{a}
591 \newcommand*\DTMitsep}{all\protect'}
592 \newcommand*\DTMitsepTWO}{alle}
593 \newcommand*\DTMitonesecondstring}{un}
594 \newcommand*\DTMitpoststringONE}{dopo}
595 \newcommand*\DTMitpoststringTWO}{dopo l\protect'}
596 \newcommand*\DTMitpoststringTHREE}{dopo le\space}
597 \newcommand*\DTMitoneminutestring}{un minuto\space}
598 \newcommand*\DTMitzerominutestring}{zero minuti\space}
599
600 \newcommand*\DTMitoclockstring}{in punto}
601 \newcommand*\DTMoneminutestring}{un\space}
602 \newcommand*\DTMoneatnightstring}{una}
603
604 \newcommand*\DTMitthefirststoneofthemoth}{primo}
605
606 \newcommand*\DTMquarterpaststringZERO}{quindici minuti e\space}
607 \newcommand*\DTMquarterpaststringONE}{quindici minuti dopo\space}
608 \newcommand*\DTMquarterpaststringTWO}{quindici minuti dopo l\protect'}
609 \newcommand*\DTMquarterpaststringTHREE}{quindici minuti dopo le\space}
610
611 \newcommand*\DTMminutepaststringONE}{minuto dopo\space}
612 \newcommand*\DTMminutepaststringTWO}{minuto dopo l\protect'}
613 \newcommand*\DTMminutepaststringTHREE}{minuto dopo le\space}
614
615 \newcommand*\DTMminutespaststringONE}{minuti dopo\space}
616 \newcommand*\DTMminutespaststringTWO}{minuti dopo l\protect'}
617 \newcommand*\DTMminutespaststringTHREE}{minuti dopo le\space}
618
619 \newcommand*\DTMhalfstringZERO}{trenta minuti e\space}
620 \newcommand*\DTMhalfpaststringONE}{trenta minuti dopo\space}
621 \newcommand*\DTMhalfpaststringTWO}{trenta minuti dopo l\protect'}
622 \newcommand*\DTMhalfpaststringTHREE}{trenta minuti dopo le\space}
623
624 \newcommand*\DTMquartertostringZERO}{un quarto e\space}
625 \newcommand*\DTMquartertostringONE}{un quarto a\space}
626 \newcommand*\DTMquartertostringTWO}{un quarto all\protect'}
627 \newcommand*\DTMquartertostringTHREE}{un quarto alle\space}
628

```

```
629 \newcommand*\DTMminutetostringZERO}{minuto e\space}
630 \newcommand*\DTMminutetostringONE}{minuto a}
631 \newcommand*\DTMminutetostringTWO}{minuto all\protect'}
632 \newcommand*\DTMminutetostringTHREE}{minuto alle}
633
634 \newcommand*\DTMminutesstringZERO}{minuti e\space}
635 \newcommand*\DTMminutesstringONE}{minuti a}
636 \newcommand*\DTMminutesstringTWO}{minuti all\protect'}
637 \newcommand*\DTMminutesstringTHREE}{minuti alle}
638
639
640 \newcommand*\DTMitmorningstring}{del mattino}
641 \newcommand*\DTMitafternoonstring}{del pomeriggio}
```