```
1 ⟨*OT2⟩
2 \NeedsTeXFormat{LaTeX2e}[1998/12/01]
3 \ProvidesFile{ot2enc.def}
4   [2001/08/11 v3.3a Cyrillic encoding definition file]
```

1 Definitions for the OT2 encoding

```
5 \DeclareFontEncoding{OT2}{}{}
6 \DeclareFontSubstitution{OT2}{cmr}{m}{n}
```

Accents:
```
7 \DeclareTextAccent{\"}{OT2}{32}
8 \DeclareTextAccent{\'}{OT2}{38}
```

There is a \U accent for the wide Cyrillic breve in addition to the \u accent used for the smaller breve. It is recommended to use \U accent for \U{i} and \U{u}. \U{i} has a composite declared below.
```
 9 \DeclareTextAccent{\u}{OT2}{64}
10 \DeclareTextAccent{\U}{OT2}{36}
11 \DeclareTextCommand{\d}{OT2}[1]
12    {\hmode@bgroup
13     \o@lign{\relax#1\crcr\hidewidth\sh@ft{10}.\hidewidth}\egroup}
14 \DeclareTextCommand{\.}{OT2}[1]{\TextSymbolUnavailable{\.{#1}}#1}
```

Letters. We declare all letters here, including the ones which are accessible either directly or via ligatures from Latin letters, because we can use an encoding-independent notation in Babel support files, shareable for all font encodings. It is even possible to use 7-bit OT2 font encoding with 8-bit input encodings; all letters become accessible for accents (there is a problem when putting an accent on letters treated as ligatures: E.g., in ordinary text 'yu' and 'ya' are rendered as soft 'u' and soft 'a', but \'{yu} does not produce a soft 'u' with an accent, but a 'y' with an accent followed by an 'u'). We use an approach based on standard LaTeX encoding-dependent symbols (but not definitions like \def\CYRA{A}) which allows one to use several Cyrillic font encodings in one document.
```
15 \DeclareTextSymbol{\CYRNJE}{OT2}{0}
16 \DeclareTextSymbol{\CYRLJE}{OT2}{1}
17 \DeclareTextSymbol{\CYRDZHE}{OT2}{2}
18 \DeclareTextSymbol{\CYREREV}{OT2}{3}
19 \DeclareTextSymbol{\CYRII}{OT2}{4}
20 \DeclareTextSymbol{\CYRIE}{OT2}{5}
21 \DeclareTextSymbol{\CYRDJE}{OT2}{6}
22 \DeclareTextSymbol{\CYRTSHE}{OT2}{7}
23 \DeclareTextSymbol{\cyrnje}{OT2}{8}
24 \DeclareTextSymbol{\cyrlje}{OT2}{9}
25 \DeclareTextSymbol{\cyrdzhe}{OT2}{10}
26 \DeclareTextSymbol{\cyrerev}{OT2}{11}
27 \DeclareTextSymbol{\cyrii}{OT2}{12}
28 \DeclareTextSymbol{\cyrie}{OT2}{13}
29 \DeclareTextSymbol{\cyrdje}{OT2}{14}
30 \DeclareTextSymbol{\cyrtshe}{OT2}{15}

31 \DeclareTextSymbol{\CYRYU}{OT2}{16}
32 \DeclareTextSymbol{\CYRZH}{OT2}{17}
33 \DeclareTextSymbol{\CYRISHRT}{OT2}{18}
34 \DeclareTextSymbol{\CYRYO}{OT2}{19}
35 \DeclareTextSymbol{\CYRIZH}{OT2}{20}
36 \DeclareTextSymbol{\CYRFITA}{OT2}{21}
37 \DeclareTextSymbol{\CYRDZE}{OT2}{22}
38 \DeclareTextSymbol{\CYRYA}{OT2}{23}
39 \DeclareTextSymbol{\cyryu}{OT2}{24}
40 \DeclareTextSymbol{\cyrzh}{OT2}{25}
41 \DeclareTextSymbol{\cyrishrt}{OT2}{26}
42 \DeclareTextSymbol{\cyryo}{OT2}{27}
```

```
43 \DeclareTextSymbol{\cyrizh}{OT2}{28}
44 \DeclareTextSymbol{\cyrfita}{OT2}{29}
45 \DeclareTextSymbol{\cyrdze}{OT2}{30}
46 \DeclareTextSymbol{\cyrya}{OT2}{31}

47 \DeclareTextSymbol{\CYRYAT}{OT2}{35}
48 \DeclareTextSymbol{\cyryat}{OT2}{43}
```

We use the same command for the dotless 'i' letter as in other encodings.

```
49 \DeclareTextSymbol{\i}{OT2}{61}

50 \DeclareTextSymbol{\CYRA}{OT2}{65}
51 \DeclareTextSymbol{\CYRB}{OT2}{66}
52 \DeclareTextSymbol{\CYRC}{OT2}{67}
53 \DeclareTextSymbol{\CYRD}{OT2}{68}
54 \DeclareTextSymbol{\CYRE}{OT2}{69}
55 \DeclareTextSymbol{\CYRF}{OT2}{70}
56 \DeclareTextSymbol{\CYRG}{OT2}{71}
57 \DeclareTextSymbol{\CYRH}{OT2}{72}
58 \DeclareTextSymbol{\CYRI}{OT2}{73}
59 \DeclareTextSymbol{\CYRJE}{OT2}{74}
60 \DeclareTextSymbol{\CYRK}{OT2}{75}
61 \DeclareTextSymbol{\CYRL}{OT2}{76}
62 \DeclareTextSymbol{\CYRM}{OT2}{77}
63 \DeclareTextSymbol{\CYRN}{OT2}{78}
64 \DeclareTextSymbol{\CYRO}{OT2}{79}
65 \DeclareTextSymbol{\CYRP}{OT2}{80}
66 \DeclareTextSymbol{\CYRCH}{OT2}{81}
67 \DeclareTextSymbol{\CYRR}{OT2}{82}
68 \DeclareTextSymbol{\CYRS}{OT2}{83}
69 \DeclareTextSymbol{\CYRT}{OT2}{84}
70 \DeclareTextSymbol{\CYRU}{OT2}{85}
71 \DeclareTextSymbol{\CYRV}{OT2}{86}
72 \DeclareTextSymbol{\CYRSHCH}{OT2}{87}
73 \DeclareTextSymbol{\CYRSH}{OT2}{88}
74 \DeclareTextSymbol{\CYRERY}{OT2}{89}
75 \DeclareTextSymbol{\CYRZ}{OT2}{90}
76 \DeclareTextSymbol{\CYRSFTSN}{OT2}{94}
77 \DeclareTextSymbol{\CYRHRDSN}{OT2}{95}

78 \DeclareTextSymbol{\cyra}{OT2}{97}
79 \DeclareTextSymbol{\cyrb}{OT2}{98}
80 \DeclareTextSymbol{\cyrc}{OT2}{99}
81 \DeclareTextSymbol{\cyrd}{OT2}{100}
82 \DeclareTextSymbol{\cyre}{OT2}{101}
83 \DeclareTextSymbol{\cyrf}{OT2}{102}
84 \DeclareTextSymbol{\cyrg}{OT2}{103}
85 \DeclareTextSymbol{\cyrh}{OT2}{104}
86 \DeclareTextSymbol{\cyri}{OT2}{105}
87 \DeclareTextSymbol{\cyrje}{OT2}{106}
88 \DeclareTextSymbol{\cyrk}{OT2}{107}
89 \DeclareTextSymbol{\cyrl}{OT2}{108}
90 \DeclareTextSymbol{\cyrm}{OT2}{109}
91 \DeclareTextSymbol{\cyrn}{OT2}{110}
92 \DeclareTextSymbol{\cyro}{OT2}{111}
93 \DeclareTextSymbol{\cyrp}{OT2}{112}
94 \DeclareTextSymbol{\cyrch}{OT2}{113}
95 \DeclareTextSymbol{\cyrr}{OT2}{114}
96 \DeclareTextSymbol{\cyrs}{OT2}{115}
97 \DeclareTextSymbol{\cyrt}{OT2}{116}
98 \DeclareTextSymbol{\cyru}{OT2}{117}
99 \DeclareTextSymbol{\cyrv}{OT2}{118}
100 \DeclareTextSymbol{\cyrshch}{OT2}{119}
101 \DeclareTextSymbol{\cyrsh}{OT2}{120}
102 \DeclareTextSymbol{\cyrery}{OT2}{121}
```

```
103 \DeclareTextSymbol{\cyrz}{OT2}{122}
104 \DeclareTextSymbol{\cyrsftsn}{OT2}{126}
105 \DeclareTextSymbol{\cyrhrdsn}{OT2}{127}
```

Other symbols:
```
106 %\DeclareTextSymbol{\texthyphenchar}{OT2}{45}
107 %\DeclareTextSymbol{\texthyphen}{OT2}{45}
108 \DeclareTextSymbol{\textquoteleft}{OT2}{96}
109 \DeclareTextSymbol{\textquoteright}{OT2}{39}
110 \DeclareTextSymbol{\textquotedblleft}{OT2}{92}
111 \DeclareTextSymbol{\textquotedblright}{OT2}{34}
112 \DeclareTextSymbol{\guillemotleft}{OT2}{60}
113 \DeclareTextSymbol{\guillemotright}{OT2}{62}
114 \DeclareTextSymbol{\textendash}{OT2}{123}
115 \DeclareTextSymbol{\cyrdash}{OT2}{124}
116 \DeclareTextSymbol{\textemdash}{OT2}{124}
117 \DeclareTextSymbol{\textnumero}{OT2}{125}
```

Some 'obvious' composites:
```
118 \DeclareTextComposite{\U}{OT2}{I}{18}
119 \DeclareTextComposite{\U}{OT2}{i}{26}
120 \DeclareTextComposite{\"}{OT2}{E}{19}
121 \DeclareTextComposite{\"}{OT2}{e}{27}
122 \DeclareTextComposite{\.}{OT2}{\i}{12}
```

The following declarations will not work for 8-bit chars generated via `inputenc` unless a `dblaccnt` package is used.
```
123 \DeclareTextComposite{\U}{OT2}{\CYRI}{18}
124 \DeclareTextComposite{\U}{OT2}{\cyri}{26}
125 \DeclareTextComposite{\"}{OT2}{\CYRE}{19}
126 \DeclareTextComposite{\"}{OT2}{\cyre}{27}
127 ⟨/OT2⟩
```