# Alphabets

Generated by make-rules.pl

October 1, 2016


**1 Latin scripts** **2**

1.1 Codepage 1252 . . . 2
1.1.1 Danish . . . 2
1.1.2 English . . . 3
1.1.3 Estonian . . . 4
1.1.4 Finnish . . . 5
1.1.5 French . . . 6
1.1.6 A general sorting order for Western European languages . . . 7
1.1.7 Icelandic . . . 8
1.1.8 Swedish . . . 9
1.2 Codepage latin1 . . . 10
1.2.1 Albanian . . . 10
1.2.2 Dutch (Ligature IJ sorted as I+J) . . . 11
1.2.3 German (DIN 5007) . . . 12
1.2.4 German (Duden) . . . 13
1.2.5 Italian . . . 14
1.2.6 Norwegian . . . 15
1.2.7 Portuguese . . . 16
1.2.8 Spanish (modern) . . . 17
1.2.9 Spanish (traditional) . . . 18
1.3 Codepage 850 . . . 19
1.3.1 A general sorting order for Western European languages . . . 19
1.4 Codepage latin2 . . . 20
1.4.1 Croatian . . . 20
1.4.2 Czech . . . 21
1.4.3 Hungarian . . . 22
1.4.4 Lower Sorbian . . . 23
1.4.5 Polish . . . 24
1.4.6 Romanian . . . 25
1.4.7 Slovak (small) . . . 26
1.4.8 Slovak (large) . . . 27
1.4.9 Slovenian . . . 28
1.4.10 Upper Sorbian . . . 29
1.5 Codepage 1250 . . . 30
1.5.1 Croatian . . . 30
1.5.2 Czech . . . 31
1.5.3 Hungarian . . . 32
1.5.4 Lower Sorbian . . . 33
1.5.5 Polish . . . 34
1.5.6 Slovak (large) . . . 35
1.5.7 Slovak (small) . . . 36
1.5.8 Slovenian . . . 37
1.5.9 Upper Sorbian . . . 38
1.6 Codepage latin3 . . . 39
1.6.1 Esperanto . . . 39
1.6.2 Turkish . . . 40
1.7 Codepage latin4 . . . 41
1.7.1 Greek (ISO transliteration, for western languages) . . . 41

1.7.2 Latvian . . . 42
1.7.3 Lithuanian . . . 43
1.8 Codepage latin5 . . . 44
1.8.1 Kurdish (Bedirxan) . . . 44
1.8.2 Kurdish (Turkish i) . . . 45
1.8.3 Turkish . . . 46
1.9 Codepage latin9 . . . 47
1.9.1 Danish . . . 47
1.9.2 English . . . 48
1.9.3 Estonian . . . 49
1.9.4 Finnish . . . 50
1.9.5 French . . . 51
1.9.6 A general sorting order for Western European languages . . . 52
1.9.7 Icelandic . . . 53
1.9.8 Swedish . . . 54

**2 Cyrillic scripts** **55**
2.1 Codepage 1251 . . . 55
2.1.1 Belarusian . . . 55
2.1.2 Bulgarian . . . 57
2.1.3 Macedonian . . . 58
2.1.4 Russian . . . 59
2.1.5 Serbian . . . 60
2.1.6 Ukrainian . . . 61

# Chapter 1

# Latin scripts

## 1.1 Codepage 1252

### 1.1.1 Danish

**Alphabet**

| | (ˇ) | (´) | (`) | (¯) | (^) | (~) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | | à À | â Â | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | ð Đ | | | | | | | | | | | | | | |
| e E | é É | | è È | ê Ê | ë Ë | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | ó Ó | | ô Ô | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ý Ý | | ü Ü | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| æ Æ | | | | | | | | | | | | | | | |
| ø Ø | ö Ö | | œ Œ | | | | | | | | | | | | |
| å Å | aa Aa AA | | | | | | | | | | | | | | |

**Ligatures**

'þ' is sorted like 't h', but *after* it in otherwise equal words.
'Þ' is sorted like 'T h', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.1.2 English

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | à À | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | ð Ð | | | | | | | | | | | | | | |
| e E | é É | è È | ë Ë | ê Ê | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | ï Ï | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ö Ö | ô Ô | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| þ Þ | | | | | | | | | | | | | | | |

#### Ligatures

‘æ’ is sorted like ‘a e’, but *after* it in otherwise equal words.
‘Æ’ is sorted like ‘A e’, but *after* it in otherwise equal words.
‘œ’ is sorted like ‘o e’, but *after* it in otherwise equal words.
‘Œ’ is sorted like ‘O e’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.1.3 Estonian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (°) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | w W | | | | | | | | | | | | | | |
| õ Õ | | | | | | | | | | | | | | | |
| ä Ä | | | | | | | | | | | | | | | |
| ö Ö | | | | | | | | | | | | | | | |
| ü Ü | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.1.4 Finnish

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | š Š | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | w W | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ü Ü | | | | | | | | | | | | | | |
| z Z | ž Ž | | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |
| ä Ä | æ Æ | | | | | | | | | | | | | | |
| ö Ö | ø Ø | õ Õ | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *after* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.1.5 French

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (°) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | â Â | à À | ä Ä | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | ê Ê | è È | ë Ë | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | î Î | ï Ï | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ô Ô | ö Ö | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | û Û | ù Ù | ü Ü | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ÿ Ÿ | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

'æ' is sorted like 'a e', but *after* it in otherwise equal words.
'Æ' is sorted like 'A e', but *after* it in otherwise equal words.
'œ' is sorted like 'o e', but *after* it in otherwise equal words.
'Œ' is sorted like 'O e', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.1.6 A general sorting order for Western European languages

**Alphabet**

| | (˘) | (´) | (`) | (˜) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | à À | â Â | ã Ã | å Å | ä Ä | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | è È | ê Ê | ë Ë | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | ì Ì | î Î | ï Ï | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ó Ó | ò Ò | ô Ô | õ Õ | ö Ö | ø Ø | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | š Š | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | ù Ù | û Û | ü Ü | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ý Ý | ÿ Ÿ | | | | | | | | | | | | | |
| z Z | ž Ž | | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.
'æ' is sorted like 'a e', but *after* it in otherwise equal words.
'Æ' is sorted like 'A e', but *after* it in otherwise equal words.
'œ' is sorted like 'o e', but *after* it in otherwise equal words.
'Œ' is sorted like 'O e', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.1.7 Icelandic

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| ð Ð | | | | | | | | | | | | | | | |
| e E | | ë Ë | | é É | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | ó Ó | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | ü Ü | | ú Ú | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| þ Þ | | | | | | | | | | | | | | | |
| æ Æ | | œ Œ | | ä Ä | | | | | | | | | | | |
| ö Ö | | ø Ø | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.1.8 Swedish

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | à À | â Â | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | ç Ç | | | | | | | | | | | | | |
| d D | | ð Ð | | | | | | | | | | | | | |
| e E | | é É | è È | ê Ê | ë Ë | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | í Í | ì Ì | î Î | ï Ï | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | ñ Ñ | | | | | | | | | | | | | |
| o O | | ó Ó | ò Ò | ô Ô | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | š Š | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | ú Ú | ù Ù | û Û | | | | | | | | | | | |
| v V | | w W | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | ü Ü | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |
| ä Ä | | æ Æ | | | | | | | | | | | | | |
| ö Ö | | ø Ø | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *after* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

## 1.2 Codepage latin1

### 1.2.1 Albanian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ç Ç | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dh Dh DH | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ë Ë | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| gj Gj GJ | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ll Ll LL | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| nj Nj NJ | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| rr Rr RR | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| sh Sh SH | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| th Th TH | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| xh Xh XH | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| zh Zh ZH | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.2 Dutch (Ligature IJ sorted as I+J)

#### Alphabet

| | (˘) | (´) | (`) | (˜) | (^) | (¯) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | ä Ä | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | ë Ë | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | ï Ï | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | ö Ö | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ü Ü | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.3 German (DIN 5007)

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.
‘ä’ is sorted like ‘a e’, but *after* it in otherwise equal words.
‘Ä’ is sorted like ‘A e’, but *after* it in otherwise equal words.
‘ö’ is sorted like ‘o e’, but *after* it in otherwise equal words.
‘Ö’ is sorted like ‘O e’, but *after* it in otherwise equal words.
‘ü’ is sorted like ‘u e’, but *after* it in otherwise equal words.
‘Ü’ is sorted like ‘U e’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.4 German (Duden)

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (ˌ) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | ä Ä | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | ö Ö | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | ü Ü | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.5 Italian

#### Alphabet

| | (˘) | (´) | (`) | (¨) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | à À | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | é É | è È | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | | ì Ì | ï Ï | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | ó Ó | ò Ò | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | | ù Ù | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.6 Norwegian

#### Alphabet

| | (˘) | (´) | (`) | (¨) | (^) | (~) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | à À | â Â | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | è È | ê Ê | ë Ë | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | ó Ó | ò Ò | ô Ô | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ü Ü | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| æ Æ | ä Ä | | | | | | | | | | | | | | |
| ø Ø | ö Ö | | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.7 Portuguese

#### Alphabet

| | (˘) | (´) | (`) | (~) | (^) | (˜) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | à À | â Â | ã Ã | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | è È | ê Ê | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | ì Ì | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | ó Ó | ò Ò | ô Ô | õ Õ | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | ù Ù | ü Ü | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.
‘æ’ is sorted like ‘a e’, but *after* it in otherwise equal words.
‘Æ’ is sorted like ‘A e’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.2.8 Spanish (modern)

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ñ Ñ | | | | | | | | | | | | | | | |
| o O | ó Ó | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | ü Ü | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *after* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

letters . - ' ¿ ? ¡ !

### 1.2.9 Spanish (traditional)

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (^) | (~) | (°) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ll Ll LL | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ñ Ñ | | | | | | | | | | | | | | | |
| o O | ó Ó | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | ü Ü | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *after* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

letters . - ’ ¿ ? ¡ !

## 1.3 Codepage 850

### 1.3.1 A general sorting order for Western European languages

**Alphabet**

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | à À | â Â | ã Ã | å Å | ä Ä | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | è È | ê Ê | ë Ë | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | ì Ì | î Î | ï Ï | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ó Ó | ò Ò | ô Ô | õ Õ | ö Ö | ø Ø | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | ù Ù | û Û | ü Ü | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ý Ý | ÿ | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

**Ligatures**

‘á’ is sorted like ‘s s’, but *after* it in otherwise equal words.
‘“’ is sorted like ‘a e’, but *after* it in otherwise equal words.
‘”’ is sorted like ‘A e’, but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - ’

## 1.4 Codepage latin2

### 1.4.1 Croatian

**Alphabet**

| | (ˇ) | (´) | (`) | (˘) | (^) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dž Dž DŽ | | | | | | | | | | | | | | | |
| đ Đ | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| lj Lj LJ | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| nj Nj NJ | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

**Ligatures**

None.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - ’

### 1.4.2 Czech

**Alphabet**

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | ä Ä | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | ď Ď | | | | | | | | | | | | | |
| e E | | é É | | ě Ě | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | ň Ň | | | | | | | | | | | | | |
| o O | | ó Ó | | ö Ö | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ř Ř | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | ť Ť | | | | | | | | | | | | | |
| u U | | ú Ú | | ů Ů | | ü Ü | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.4.3 Hungarian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| cs Cs CS | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dz Dz DZ | | | | | | | | | | | | | | | |
| dzs Dzs DZs DZS | | | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| gy Gy GY | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ly Ly LY | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ny Ny NY | | | | | | | | | | | | | | | |
| o O | | ó Ó | | | | | | | | | | | | | |
| ö Ö | | ő Ő | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| sz Sz SZ | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ty Ty TY | | | | | | | | | | | | | | | |
| u U | | ú Ú | | | | | | | | | | | | | |
| ü Ü | | ű Ű | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| zs Zs ZS | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.4.4 Lower Sorbian

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ě Ě | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| ł Ł | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ń Ń | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ŕ Ŕ | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| ś Ś | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |
| ź Ź | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.4.5 Polish

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| ą Ą | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ę Ę | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ł Ł | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ń Ń | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| ó Ó | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ś Ś | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ź Ź | | | | | | | | | | | | | | | |
| ż Ż | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.4.6 Romanian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| ă Ă | | | | | | | | | | | | | | | |
| â Â | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| î Î | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ş Ş | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ţ Ţ | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.4.7 Slovak (small)

**Alphabet**

| | (ˇ) | (´) | (ˋ) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | | | | | ä Ä | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | č Č | | | | | | | | | | | | | |
| d D | | ď Ď | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | Í Ĺ | | | | | | ľ Ľ | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | ň Ň | | | | | | | | | | | | | |
| o O | | ó Ó | | | | | | ô Ô | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | ŕ Ŕ | | | | | | ř Ř | | | | | | | |
| s S | | š Š | | | | | | | | | | | | | |
| t T | | ť Ť | | | | | | | | | | | | | |
| u U | | ú Ú | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | ž Ž | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.4.8 Slovak (large)

**Alphabet**

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | ä Ä | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| ď Ď | | | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | Í Ĺ | | | | | | | | | | | | | |
| ľ Ľ | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ň Ň | | | | | | | | | | | | | | | |
| o O | | ó Ó | | ô Ô | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | ŕ Ŕ | | | | | | | | | | | | | |
| ř Ř | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ť Ť | | | | | | | | | | | | | | | |
| u U | | ú Ú | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.4.9 Slovenian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (ǫ) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | ć Ć | | | | | | | | | | | | | | |
| d D | đ Đ | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.4.10 Upper Sorbian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (^) | (~) | (˚) | (¨) | (,) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dź Dź DŹ | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ě Ě | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| ł Ł | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ń Ń | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| ó Ó | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ř Ř | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

# 1.5 Codepage 1250

## 1.5.1 Croatian

### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (^) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dž Dž DŽ | | | | | | | | | | | | | | | |
| đ Đ | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| lj Lj LJ | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| nj Nj NJ | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

### Ligatures

None.

### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.5.2 Czech

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | ä Ä | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | ď Ď | | | | | | | | | | | | | |
| e E | | é É | | ě Ě | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | ň Ň | | | | | | | | | | | | | |
| o O | | ó Ó | | ö Ö | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ř Ř | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | ť Ť | | | | | | | | | | | | | |
| u U | | ú Ú | | ů Ů | | ü Ü | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.5.3 Hungarian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| cs Cs CS | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dz Dz DZ | | | | | | | | | | | | | | | |
| dzs Dzs DZs DZS | | | | | | | | | | | | | | | |
| e E | é É | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| gy Gy GY | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ly Ly LY | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ny Ny NY | | | | | | | | | | | | | | | |
| o O | ó Ó | | | | | | | | | | | | | | |
| ö Ö | ő Ő | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| sz Sz SZ | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ty Ty TY | | | | | | | | | | | | | | | |
| u U | ú Ú | | | | | | | | | | | | | | |
| ü Ü | ű Ű | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| zs Zs ZS | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.5.4 Lower Sorbian

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ě Ě | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| ł Ł | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ń Ń | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ŕ Ŕ | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| ś Ś | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |
| ź Ź | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.5.5 Polish

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| ą Ą | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ę Ę | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ł Ł | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ń Ń | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| ó Ó | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ś Ś | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ź Ź | | | | | | | | | | | | | | | |
| ż Ż | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.5.6 Slovak (large)

**Alphabet**

| | (ˇ) | (´) | (`) | (˘) | (^) | (˜) | (˚) | (¨) | (,) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | ä Ä | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| ď Ď | | | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | Í Ĺ | | | | | | | | | | | | | |
| ľ Ľ | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ň Ň | | | | | | | | | | | | | | | |
| o O | | ó Ó | ô Ô | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | ŕ Ŕ | | | | | | | | | | | | | |
| ř Ř | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ť Ť | | | | | | | | | | | | | | | |
| u U | | ú Ú | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.5.7 Slovak (small)

**Alphabet**

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | | | | | ä Ä | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | č Č | | | | | | | | | | | | | |
| d D | | ď Ď | | | | | | | | | | | | | |
| e E | | é É | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | Í Ĺ | | | | | | ľ Ľ | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | ň Ň | | | | | | | | | | | | | |
| o O | | ó Ó | | | | | | ô Ô | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | ŕ Ŕ | | | | | | ř Ř | | | | | | | |
| s S | | š Š | | | | | | | | | | | | | |
| t T | | ť Ť | | | | | | | | | | | | | |
| u U | | ú Ú | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | ž Ž | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.5.8 Slovenian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | ć Ć | | | | | | | | | | | | | | |
| d D | đ Đ | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.5.9 Upper Sorbian

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (^) | (~) | (°) | (¨) | (,) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| dź Dź DŹ | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ě Ě | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ch Ch CH | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| ł Ł | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ń Ń | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| ó Ó | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ř Ř | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| ć Ć | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

'ß' is sorted like 's s', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

## 1.6 Codepage latin3

### 1.6.1 Esperanto

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (^) | (~) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ĉ Ĉ | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| ĝ Ĝ | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ĥ Ĥ | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| ĵ Ĵ | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ŝ Ŝ | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| ŭ Ŭ | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.6.2 Turkish

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | â Â | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ç Ç | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| ğ Ğ | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ı I | | | | | | | | | | | | | | | |
| i İ | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| ö Ö | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ş Ş | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | û Û | | | | | | | | | | | | | | |
| ü Ü | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

# 1.7 Codepage latin4

## 1.7.1 Greek (ISO transliteration, for western languages)

### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (^) | (˜) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | ē Ē | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | ō Ō | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

### Ligatures

None.

### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.7.2 Latvian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | ā Ā | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | ē Ē | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| ģ Ģ | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | y Y | ī Ī | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| ķ Ķ | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| ļ Ļ | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| ņ Ņ | | | | | | | | | | | | | | | |
| o O | ō Ō | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| ŗ Ŗ | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ū Ū | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.7.3 Lithuanian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | ą Ą | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ch Ch CH | | | | | | | | | | | | | | |
| č Č | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | ę Ę | ė Ė | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | į Į | y Y | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ų Ų | ū Ū | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

## 1.8 Codepage latin5

### 1.8.1 Kurdish (Bedirxan)

**Alphabet**

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a | A | | | | | | | | | | | | | | |
| b | B | | | | | | | | | | | | | | |
| c | C | | | | | | | | | | | | | | |
| ç | Ç | | | | | | | | | | | | | | |
| d | D | | | | | | | | | | | | | | |
| e | E | | | | | | | | | | | | | | |
| ê | Ê | | | | | | | | | | | | | | |
| f | F | | | | | | | | | | | | | | |
| g | G | | | | | | | | | | | | | | |
| h | H | | | | | | | | | | | | | | |
| i | I | | | | | | | | | | | | | | |
| î | Î | | | | | | | | | | | | | | |
| j | J | | | | | | | | | | | | | | |
| k | K | | | | | | | | | | | | | | |
| l | L | | | | | | | | | | | | | | |
| m | M | | | | | | | | | | | | | | |
| n | N | | | | | | | | | | | | | | |
| o | O | | | | | | | | | | | | | | |
| p | P | | | | | | | | | | | | | | |
| r | R | | | | | | | | | | | | | | |
| s | S | | | | | | | | | | | | | | |
| ş | Ş | | | | | | | | | | | | | | |
| t | T | | | | | | | | | | | | | | |
| u | U | | | | | | | | | | | | | | |
| û | Û | | | | | | | | | | | | | | |
| v | V | | | | | | | | | | | | | | |
| w | W | | | | | | | | | | | | | | |
| x | X | | | | | | | | | | | | | | |
| y | Y | | | | | | | | | | | | | | |
| z | Z | | | | | | | | | | | | | | |

**Ligatures**

None.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - ’

### 1.8.2 Kurdish (Turkish i)

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (^) | (~) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ç Ç | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| ê Ê | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ı I | | | | | | | | | | | | | | | |
| i İ | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ş Ş | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| û Û | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.8.3 Turkish

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | â Â | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| ç Ç | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| ğ Ğ | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| ı I | | | | | | | | | | | | | | | |
| i İ | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| ö Ö | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| ş Ş | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | û Û | | | | | | | | | | | | | | |
| ü Ü | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

# 1.9 Codepage latin9

## 1.9.1 Danish

### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | | à À | â Â | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | ð Ð | | | | | | | | | | | | | | |
| e E | é É | | è È | ê Ê | ë Ë | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | ó Ó | | ô Ô | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ý Ý | | ü Ü | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| æ Æ | | | | | | | | | | | | | | | |
| ø Ø | ö Ö | | œ Œ | | | | | | | | | | | | |
| å Å | aa Aa AA | | | | | | | | | | | | | | |

### Ligatures

‘þ’ is sorted like ‘t h’, but *after* it in otherwise equal words.
‘Þ’ is sorted like ‘T h’, but *after* it in otherwise equal words.

### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.9.2 English

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | à À | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | ð Ð | | | | | | | | | | | | | | |
| e E | é É | è È | ë Ë | ê Ê | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | ï Ï | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ö Ö | ô Ô | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| þ Þ | | | | | | | | | | | | | | | |

#### Ligatures

'æ' is sorted like 'a e', but *after* it in otherwise equal words.
'Æ' is sorted like 'A e', but *after* it in otherwise equal words.
'½' is sorted like 'o e', but *after* it in otherwise equal words.
'¼' is sorted like 'O e', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.9.3 Estonian

#### Alphabet

| | (ˇ) | (´) | (`) | (˘) | (ˆ) | (˜) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| š Š | | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| ž Ž | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | w W | | | | | | | | | | | | | | |
| õ Õ | | | | | | | | | | | | | | | |
| ä Ä | | | | | | | | | | | | | | | |
| ö Ö | | | | | | | | | | | | | | | |
| ü Ü | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.9.4 Finnish

#### Alphabet

| | (˘) | (´) | (`) | (¯) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | | | | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | š Š | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | | | | | | | | | | | | | | |
| v V | w W | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ü Ü | | | | | | | | | | | | | | |
| z Z | ž Ž | | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |
| ä Ä | æ Æ | | | | | | | | | | | | | | |
| ö Ö | ø Ø | õ Õ | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *after* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.9.5 French

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (°) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | â Â | à À | ä Ä | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | ê Ê | è È | ë Ë | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | î Î | ï Ï | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ô Ô | ö Ö | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | û Û | ù Ù | ü Ü | | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ÿ Ÿ | | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |

#### Ligatures

'æ' is sorted like 'a e', but *after* it in otherwise equal words.
'Æ' is sorted like 'A e', but *after* it in otherwise equal words.
'$\frac{1}{2}$' is sorted like 'o e', but *after* it in otherwise equal words.
'$\frac{1}{4}$' is sorted like 'O e', but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - '

### 1.9.6 A general sorting order for Western European languages

**Alphabet**

| | (˘) | (´) | (`) | (~) | (^) | (¨) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | á Á | à À | â Â | ã Ã | å Å | ä Ä | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | ç Ç | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| e E | é É | è È | ê Ê | ë Ë | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | í Í | ì Ì | î Î | ï Ï | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | ñ Ñ | | | | | | | | | | | | | | |
| o O | ó Ó | ò Ò | ô Ô | õ Õ | ö Ö | ø Ø | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | š Š | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | ú Ú | ù Ù | û Û | ü Ü | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | ý Ý | ÿ Ÿ | | | | | | | | | | | | | |
| z Z | ž Ž | | | | | | | | | | | | | | |

**Ligatures**

'ß' is sorted like 's s', but *after* it in otherwise equal words.
'æ' is sorted like 'a e', but *after* it in otherwise equal words.
'Æ' is sorted like 'A e', but *after* it in otherwise equal words.
'½' is sorted like 'o e', but *after* it in otherwise equal words.
'¼' is sorted like 'O e', but *after* it in otherwise equal words.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - '

### 1.9.7 Icelandic

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | | | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | | | | | | | | | | | | | | |
| d D | | | | | | | | | | | | | | | |
| ð Ð | | | | | | | | | | | | | | | |
| e E | | ë Ë | | é É | | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | í Í | | | | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | | | | | | | | | | | | | | |
| o O | | ó Ó | | | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | ü Ü | | ú Ú | | | | | | | | | | | |
| v V | | | | | | | | | | | | | | | |
| w W | | | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| þ Þ | | | | | | | | | | | | | | | |
| æ Æ | | œ Œ | | ä Ä | | | | | | | | | | | |
| ö Ö | | ø Ø | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 1.9.8 Swedish

#### Alphabet

| | (˘) | (´) | (`) | (¨) | (ˆ) | (˜) | (°) | (¨) | (,) | (¸) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a A | | á Á | à À | â Â | | | | | | | | | | | |
| b B | | | | | | | | | | | | | | | |
| c C | | ç Ç | | | | | | | | | | | | | |
| d D | | ð Đ | | | | | | | | | | | | | |
| e E | | é É | è È | ê Ê | ë Ë | | | | | | | | | | |
| f F | | | | | | | | | | | | | | | |
| g G | | | | | | | | | | | | | | | |
| h H | | | | | | | | | | | | | | | |
| i I | | í Í | ì Ì | î Î | ï Ï | | | | | | | | | | |
| j J | | | | | | | | | | | | | | | |
| k K | | | | | | | | | | | | | | | |
| l L | | | | | | | | | | | | | | | |
| m M | | | | | | | | | | | | | | | |
| n N | | ñ Ñ | | | | | | | | | | | | | |
| o O | | ó Ó | ò Ò | ô Ô | | | | | | | | | | | |
| p P | | | | | | | | | | | | | | | |
| q Q | | | | | | | | | | | | | | | |
| r R | | | | | | | | | | | | | | | |
| s S | | š Š | | | | | | | | | | | | | |
| t T | | | | | | | | | | | | | | | |
| u U | | ú Ú | ù Ù | û Û | | | | | | | | | | | |
| v V | | w W | | | | | | | | | | | | | |
| x X | | | | | | | | | | | | | | | |
| y Y | | ý Ý | ü Ü | | | | | | | | | | | | |
| z Z | | | | | | | | | | | | | | | |
| å Å | | | | | | | | | | | | | | | |
| ä Ä | | æ Æ | | | | | | | | | | | | | |
| ö Ö | | ø Ø | | | | | | | | | | | | | |

#### Ligatures

‘ß’ is sorted like ‘s s’, but *after* it in otherwise equal words.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *after* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

# Chapter 2

# Cyrillic scripts

## 2.1 Codepage 1251

### 2.1.1 Belarusian

**Alphabet**

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| а А | | | | | | | | | | | | | | | |
| б Б | | | | | | | | | | | | | | | |
| в В | | | | | | | | | | | | | | | |
| г Г | | | | | | | | | | | | | | | |
| д Д | | | | | | | | | | | | | | | |
| е Е | ё Ё | | | | | | | | | | | | | | |
| ж Ж | | | | | | | | | | | | | | | |
| з З | | | | | | | | | | | | | | | |
| и И | | | | | | | | | | | | | | | |
| і І | | | | | | | | | | | | | | | |
| й Й | | | | | | | | | | | | | | | |
| к К | | | | | | | | | | | | | | | |
| л Л | | | | | | | | | | | | | | | |
| м М | | | | | | | | | | | | | | | |
| н Н | | | | | | | | | | | | | | | |
| о О | | | | | | | | | | | | | | | |
| п П | | | | | | | | | | | | | | | |
| р Р | | | | | | | | | | | | | | | |
| с С | | | | | | | | | | | | | | | |
| т Т | | | | | | | | | | | | | | | |
| у У | | | | | | | | | | | | | | | |
| ў Ў | | | | | | | | | | | | | | | |
| ф Ф | | | | | | | | | | | | | | | |
| х Х | | | | | | | | | | | | | | | |
| ц Ц | | | | | | | | | | | | | | | |
| ч Ч | | | | | | | | | | | | | | | |
| ш Ш | | | | | | | | | | | | | | | |
| щ Щ | | | | | | | | | | | | | | | |
| ъ Ъ | | | | | | | | | | | | | | | |
| ы Ы | | | | | | | | | | | | | | | |
| ь Ь | | | | | | | | | | | | | | | |
| э Э | | | | | | | | | | | | | | | |
| ю Ю | | | | | | | | | | | | | | | |
| я Я | | | | | | | | | | | | | | | |

**Ligatures**

None.

**Upper-/lowercase words**

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

**Special characters**

The order of special characters and letters is:

? ! . letters - ’

### 2.1.2 Bulgarian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| а А | | | | | | | | | | | | | | | |
| б Б | | | | | | | | | | | | | | | |
| в В | | | | | | | | | | | | | | | |
| г Г | | | | | | | | | | | | | | | |
| д Д | | | | | | | | | | | | | | | |
| е Е | | | | | | | | | | | | | | | |
| ж Ж | | | | | | | | | | | | | | | |
| з З | | | | | | | | | | | | | | | |
| и И | | | | | | | | | | | | | | | |
| й Й | | | | | | | | | | | | | | | |
| к К | | | | | | | | | | | | | | | |
| л Л | | | | | | | | | | | | | | | |
| м М | | | | | | | | | | | | | | | |
| н Н | | | | | | | | | | | | | | | |
| о О | | | | | | | | | | | | | | | |
| п П | | | | | | | | | | | | | | | |
| р Р | | | | | | | | | | | | | | | |
| с С | | | | | | | | | | | | | | | |
| т Т | | | | | | | | | | | | | | | |
| у У | | | | | | | | | | | | | | | |
| ф Ф | | | | | | | | | | | | | | | |
| х Х | | | | | | | | | | | | | | | |
| ц Ц | | | | | | | | | | | | | | | |
| ч Ч | | | | | | | | | | | | | | | |
| ш Ш | | | | | | | | | | | | | | | |
| щ Щ | | | | | | | | | | | | | | | |
| ъ Ъ | | | | | | | | | | | | | | | |
| ь Ь | | | | | | | | | | | | | | | |
| ю Ю | | | | | | | | | | | | | | | |
| я Я | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 2.1.3 Macedonian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| а А | | | | | | | | | | | | | | | |
| б Б | | | | | | | | | | | | | | | |
| в В | | | | | | | | | | | | | | | |
| г Г | | | | | | | | | | | | | | | |
| д Д | | | | | | | | | | | | | | | |
| ѓ Ѓ | | | | | | | | | | | | | | | |
| е Е | | | | | | | | | | | | | | | |
| ж Ж | | | | | | | | | | | | | | | |
| з З | | | | | | | | | | | | | | | |
| ѕ Ѕ | | | | | | | | | | | | | | | |
| и И | | | | | | | | | | | | | | | |
| ј Ј | | | | | | | | | | | | | | | |
| к К | | | | | | | | | | | | | | | |
| л Л | | | | | | | | | | | | | | | |
| љ Љ | | | | | | | | | | | | | | | |
| м М | | | | | | | | | | | | | | | |
| н Н | | | | | | | | | | | | | | | |
| њ Њ | | | | | | | | | | | | | | | |
| о О | | | | | | | | | | | | | | | |
| п П | | | | | | | | | | | | | | | |
| р Р | | | | | | | | | | | | | | | |
| с С | | | | | | | | | | | | | | | |
| т Т | | | | | | | | | | | | | | | |
| ќ Ќ | | | | | | | | | | | | | | | |
| у У | | | | | | | | | | | | | | | |
| ф Ф | | | | | | | | | | | | | | | |
| х Х | | | | | | | | | | | | | | | |
| ц Ц | | | | | | | | | | | | | | | |
| ч Ч | | | | | | | | | | | | | | | |
| џ Џ | | | | | | | | | | | | | | | |
| ш Ш | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 2.1.4 Russian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| а А | | | | | | | | | | | | | | | |
| б Б | | | | | | | | | | | | | | | |
| в В | | | | | | | | | | | | | | | |
| г Г | | | | | | | | | | | | | | | |
| д Д | | | | | | | | | | | | | | | |
| е Е | ё Ё | | | | | | | | | | | | | | |
| ж Ж | | | | | | | | | | | | | | | |
| з З | | | | | | | | | | | | | | | |
| и И | | | | | | | | | | | | | | | |
| й Й | | | | | | | | | | | | | | | |
| к К | | | | | | | | | | | | | | | |
| л Л | | | | | | | | | | | | | | | |
| м М | | | | | | | | | | | | | | | |
| н Н | | | | | | | | | | | | | | | |
| о О | | | | | | | | | | | | | | | |
| п П | | | | | | | | | | | | | | | |
| р Р | | | | | | | | | | | | | | | |
| с С | | | | | | | | | | | | | | | |
| т Т | | | | | | | | | | | | | | | |
| у У | | | | | | | | | | | | | | | |
| ф Ф | | | | | | | | | | | | | | | |
| х Х | | | | | | | | | | | | | | | |
| ц Ц | | | | | | | | | | | | | | | |
| ч Ч | | | | | | | | | | | | | | | |
| ш Ш | | | | | | | | | | | | | | | |
| щ Щ | | | | | | | | | | | | | | | |
| ъ Ъ | | | | | | | | | | | | | | | |
| ы Ы | | | | | | | | | | | | | | | |
| ь Ь | | | | | | | | | | | | | | | |
| э Э | | | | | | | | | | | | | | | |
| ю Ю | | | | | | | | | | | | | | | |
| я Я | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 2.1.5 Serbian

#### Alphabet

| | (˘) | (´) | (`) | (ˇ) | (ˆ) | (˜) | (˚) | (¨) | (¸) | (˛) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| а А | | | | | | | | | | | | | | | |
| б Б | | | | | | | | | | | | | | | |
| в В | | | | | | | | | | | | | | | |
| г Г | | | | | | | | | | | | | | | |
| д Д | | | | | | | | | | | | | | | |
| ђ Ђ | | | | | | | | | | | | | | | |
| е Е | | | | | | | | | | | | | | | |
| ж Ж | | | | | | | | | | | | | | | |
| з З | | | | | | | | | | | | | | | |
| и И | | | | | | | | | | | | | | | |
| ј Ј | | | | | | | | | | | | | | | |
| к К | | | | | | | | | | | | | | | |
| л Л | | | | | | | | | | | | | | | |
| љ Љ | | | | | | | | | | | | | | | |
| м М | | | | | | | | | | | | | | | |
| н Н | | | | | | | | | | | | | | | |
| њ Њ | | | | | | | | | | | | | | | |
| о О | | | | | | | | | | | | | | | |
| п П | | | | | | | | | | | | | | | |
| р Р | | | | | | | | | | | | | | | |
| с С | | | | | | | | | | | | | | | |
| т Т | | | | | | | | | | | | | | | |
| ћ Ћ | | | | | | | | | | | | | | | |
| у У | | | | | | | | | | | | | | | |
| ф Ф | | | | | | | | | | | | | | | |
| х Х | | | | | | | | | | | | | | | |
| ц Ц | | | | | | | | | | | | | | | |
| ч Ч | | | | | | | | | | | | | | | |
| џ Џ | | | | | | | | | | | | | | | |
| ш Ш | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’

### 2.1.6 Ukrainian

#### Alphabet

| | (˘) | (´) | (`) | (˘) | (ˆ) | (˜) | (˚) | (¨) | (,) | (̨) | (k) | (˙) | (-) | (¯) | (?) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| а А | | | | | | | | | | | | | | | |
| б Б | | | | | | | | | | | | | | | |
| в В | | | | | | | | | | | | | | | |
| г Г | | | | | | | | | | | | | | | |
| ґ Ґ | | | | | | | | | | | | | | | |
| д Д | | | | | | | | | | | | | | | |
| е Е | ё Ё | | | | | | | | | | | | | | |
| є Є | | | | | | | | | | | | | | | |
| ж Ж | | | | | | | | | | | | | | | |
| з З | | | | | | | | | | | | | | | |
| и И | | | | | | | | | | | | | | | |
| і І | | | | | | | | | | | | | | | |
| ї Ї | | | | | | | | | | | | | | | |
| й Й | | | | | | | | | | | | | | | |
| к К | | | | | | | | | | | | | | | |
| л Л | | | | | | | | | | | | | | | |
| м М | | | | | | | | | | | | | | | |
| н Н | | | | | | | | | | | | | | | |
| о О | | | | | | | | | | | | | | | |
| п П | | | | | | | | | | | | | | | |
| р Р | | | | | | | | | | | | | | | |
| с С | | | | | | | | | | | | | | | |
| т Т | | | | | | | | | | | | | | | |
| у У | | | | | | | | | | | | | | | |
| ф Ф | | | | | | | | | | | | | | | |
| х Х | | | | | | | | | | | | | | | |
| ц Ц | | | | | | | | | | | | | | | |
| ч Ч | | | | | | | | | | | | | | | |
| ш Ш | | | | | | | | | | | | | | | |
| щ Щ | | | | | | | | | | | | | | | |
| ъ Ъ | | | | | | | | | | | | | | | |
| ы Ы | | | | | | | | | | | | | | | |
| э Э | | | | | | | | | | | | | | | |
| ю Ю | | | | | | | | | | | | | | | |
| я Я | | | | | | | | | | | | | | | |
| ь Ь | | | | | | | | | | | | | | | |

#### Ligatures

None.

#### Upper-/lowercase words

Capitalized or uppercase words are sorted *before* otherwise equal lowercase words.

#### Special characters

The order of special characters and letters is:

? ! . letters - ’