

OpenType font Libertinus

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Abstract

The font family Libertinus is derived from the Linux Libertine and enhanced with a math font by Khaled Hosny and Caleb Maclennan.

Thanks to:
Khaled Hosny;
Caleb Maclennan;
Nelson Posse Lago;
Keno Wehr

1 The default setting

The font package `libertinus-fonts` installs the following OpenType fonts:

```
LibertinusSerif-Regular.otf
LibertinusSerif-Bold.otf
LibertinusSerif-Italic.otf
LibertinusSerif-BoldItalic.otf
LibertinusSerif-Semibold.otf
LibertinusSerif-SemiboldItalic.otf
-----
LibertinusSans-Regular.otf
LibertinusSans-Bold.otf
LibertinusSans-Italic.otf
-----
LibertinusKeyboard-Regular.otf
LibertinusSerifDisplay-Regular.otf
LibertinusSerifInitials-Regular.otf
-----
LibertinusMono-Regular.otf
-----
LibertinusMath-Regular.otf
-----
```

With the package `libertinus-otf` the serif, sans, mono, and the math fonts are set as usual. With the optional argument `nomath` there will be no loading of package `unicode-math` and no math font setting.

```
\setmainfont{LibertinusSerif}[
  RawFeature      = {\libertinus@figurealign;\libertinus@figurestyle},
  Scale           = \libertinusRM@scale ,
  UprightFont     = *-Regular,
  ItalicFont      = *-Italic,
  ItalicFeatures  = { SmallCapsFont = *-Italic },
  SlantedFont     = *-Regular,
  SlantedFeatures = {FakeSlant=0.2},
  BoldFont        = *-\libertinus@boldstyle,
  BoldFeatures    = { SmallCapsFont = *-\libertinus@boldstyle },
  BoldItalicFont  = *-\libertinus@boldstyle Italic,
  BoldItalicFeatures = { SmallCapsFont = *-\libertinus@boldstyle Italic },
  BoldSlantedFont = *-\libertinus@boldstyle,
  BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-\libertinus@boldstyle },
  SmallCapsFont   = *-Regular,
% SmallCapsFeatures={RawFeature=+smcp},
  SmallCapsFeatures={Letters=SmallCaps},
  Extension       = .otf
]

\newfontfamily\LibertinusSerifSB{LibertinusSerif}[
  RawFeature      = {\libertinus@figurealign;\libertinus@figurestyle},
  Scale           = \libertinusRM@scale,
  UprightFont     = *-Regular,
```

```

ItalicFont      = *-Italic,
ItalicFeatures = { SmallCapsFont = *-Italic },
SlantedFont     = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont        = *-Semibold,
BoldFeatures    = { SmallCapsFont = *-Semibold },
BoldItalicFont  = *-SemiboldItalic,
BoldItalicFeatures = { SmallCapsFont = *-SemiboldItalic },
BoldSlantedFont= *-Semibold,
BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Semibold },
SmallCapsFont   = *-Regular,
% SmallCapsFeatures={RawFeature=+smcp},
SmallCapsFeatures={Letters=SmallCaps},
Extension       = .otf
]

\newfontfamily\LibertinusSerifOsF{LibertinusSerif}[
RawFeature      = {+onum},
Scale           = \libertinusRM@scale ,
UprightFont     = *-Regular,
ItalicFont      = *-Italic,
ItalicFeatures  = { SmallCapsFont = *-Italic },
SlantedFont     = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont        = *-\libertinus@boldstyle,
BoldFeatures    = { SmallCapsFont = *-\libertinus@boldstyle },
BoldItalicFont  = *-\libertinus@boldstyle Italic,
BoldItalicFeatures = { SmallCapsFont = *-\libertinus@boldstyle Italic },
BoldSlantedFont= *-\libertinus@boldstyle,
BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-\libertinus@boldstyle },
SmallCapsFont   = *-Regular,
% SmallCapsFeatures={RawFeature=+smcp},
SmallCapsFeatures={Letters=SmallCaps},
Extension       = .otf
]

\newfontfamily\LibertinusSerifTLF{LibertinusSerif}[
RawFeature      = {+tnum;-onum},
Scale           = \libertinusRM@scale ,
UprightFont     = *-Regular,
ItalicFont      = *-Italic,
ItalicFeatures  = { SmallCapsFont = *-Italic },
SlantedFont     = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont        = *-\libertinus@boldstyle,
BoldFeatures    = { SmallCapsFont = *-\libertinus@boldstyle },
BoldItalicFont  = *-\libertinus@boldstyle Italic,
BoldItalicFeatures = { SmallCapsFont = *-\libertinus@boldstyle Italic },
BoldSlantedFont= *-\libertinus@boldstyle,

```

```

    BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-\\libertinus@boldstyle },
    SmallCapsFont      = *-Regular,
%   SmallCapsFeatures={RawFeature=+smcp},
    SmallCapsFeatures={Letters=SmallCaps},
    Extension          = .otf
]

\\setsansfont{LibertinusSans}[
    Extension          = .otf,
    RawFeature         = {\\libertinus@figurealign;\\libertinus@figurestyle},
    Scale              = \\libertinusSF@scale,
    UprightFont        = *-Regular,
    ItalicFont         = *-Italic,
    ItalicFeatures     = { SmallCapsFont = *-Italic },
    SlantedFont        = *-Regular,
    SlantedFeatures=   {FakeSlant=0.2},
    BoldFont           = *-Bold,
    BoldFeatures       = { SmallCapsFont = *-Bold },
    BoldItalicFont     = *-Italic,
    BoldItalicFeatures = {RawFeature={embolden=3},SmallCapsFont = *-Italic },
    BoldSlantedFont=   *-Bold,
    BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Bold },
    SmallCapsFont      = *-Regular,
%   SmallCapsFeatures={RawFeature=+smcp},
    SmallCapsFeatures={Letters=SmallCaps},
]

\\newfontfamily\\LibertinusSansOsF{LibertinusSans}[
    RawFeature         = {+onum;+pnum},
    Scale              = \\libertinusSF@scale ,
    UprightFont        = *-Regular,
    ItalicFont         = *-Italic,
    ItalicFeatures     = { SmallCapsFont = *-Italic },
    SlantedFont        = *-Regular,
    SlantedFeatures=   {FakeSlant=0.2},
    BoldFont           = *-Bold,
    BoldFeatures       = { SmallCapsFont = *-Bold },
    BoldItalicFont     = *-Italic,
    BoldItalicFeatures = {RawFeature={embolden=3}},
    BoldSlantedFont=   *-Bold,
    BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Bold },
    SmallCapsFont      = *-Regular,
%   SmallCapsFeatures={RawFeature=+smcp},
    SmallCapsFeatures={Letters=SmallCaps},
    Extension          = .otf
]

\\newfontfamily\\LibertinusSansTLF{LibertinusSans}[
    RawFeature         = {+lnum;-onum;+tnum} ,

```

```

Scale      = \libertinusSF@scale ,
UprightFont = *-Regular,
ItalicFont  = *-Italic,
ItalicFeatures = { SmallCapsFont = *-Italic },
SlantedFont = *-Regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont    = *-Bold,
BoldFeatures = { SmallCapsFont = *-Bold },
BoldItalicFont = *-Italic,
BoldItalicFeatures = {RawFeature={embolden=3}},
BoldSlantedFont= *-Bold,
BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-Bold },
SmallCapsFont = *-Regular,
% SmallCapsFeatures={RawFeature=+smcp},
SmallCapsFeatures={Letters=SmallCaps},
Extension    = .otf
]

\iflibertinus@mono
\setmonofont{LibertinusMono}[
  RawFeature    = {\libertinus@figurealign; \libertinus@figurestyle},
  Scale         = \libertinusTT@scale,
  FakeStretch   = \libertinusTT@stretch,
  UprightFont   = *-Regular,
  ItalicFont    = *-Regular,
  ItalicFeatures = {FakeSlant=0.2},
  SlantedFont   = *-Regular,
  SlantedFeatures= {FakeSlant=0.2},
  BoldFont      = *-Regular,
  BoldFeatures  = {RawFeature={embolden=3}},
  BoldItalicFont = *-Regular,
  BoldItalicFeatures={FakeSlant=0.2,RawFeature={embolden=3}},
  Extension     = .otf,
]

\iflibertinus@nomath\else
  \typeout{*****^^J%
    * Using libertinus math          *^^J%
    *****}%
  \setmathfont{LibertinusMath-Regular.otf}[RawFeature=\libertinusMM@feature]
  \setmathfont[version=bold,RawFeature={embolden=3,\libertinusMM@feature}]{LibertinusMath-
Regular.otf}
\fi

\newfontfamily\LibertinusKeyboard{libertinuskeyboard-regular.otf}
\newfontfamily\LibertinusDisplay{libertinusserifdisplay-regular.otf}
\newfontfamily\Libertinusinitials{libertinusserifinitials-regular.otf}

```

1.1 Math mode

Theorem 1 (Residue Theorem). Let f be analytic in the region G except for the isolated singularities a_1, a_2, \dots, a_m . If γ is a closed rectifiable curve in G which does not pass through any of the points a_k and if $\gamma \approx 0$ in G then

$$\operatorname{Res}_{z=a} f(z) = \operatorname{Res}_a f = \frac{1}{2\pi i} \int_C f(z) dz,$$

where $C \subset D \setminus \{a\}$ is a closed line $n(C, a) = 1$ (e. g. a counterclockwise circle loop).

ΑΑΛΔΒCDEFGHIJKLMNOPΘΩΡΦΠΞQRSTUVWXYΨΖ ABCDabcd1234

ααββcδdδεεεfζξgϋhüijklℓλmnηθθoσςφφϕρρϱqrstτπυμνvwωω

$$xyz^\infty \propto \varnothing y = f(x) \quad \Sigma \int \Pi \prod \int \Sigma \Sigma_a^b \int_a^b \Pi_a^b \sum_a^b \int_a^b \prod_a^b$$

ΑΑΛΔΒCDEFGHIJKLMNOPΘΩΡΦΠΞQRSTUVWXYΨΖ ABCDabcd1234

ααββcδdδεεεfζξgϋhüijklℓλmnηθθoσςφφϕρρϱqrstτπυμνvwωω

$$xyz^\infty \propto \varnothing y = f(x) \quad \Sigma \int \Pi \prod \int \Sigma \Sigma_a^b \int_a^b \Pi_a^b \sum_a^b \int_a^b \prod_a^b$$

There exists an optional argument `math` for setting features only for the math fonts, for example `+ss08` for different integral signs:

```
\usepackage{libertinus-otf}
```

The default: $\int_1^\infty \frac{1}{x^2} dx = 1$

$\int_1^\infty \frac{1}{x^2} dx = 1$

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The default: $\int_1^\infty \frac{1}{x^2} dx = 1$

$$\int_1^\infty \frac{1}{x^2} dx = 1$$

$$\int_1^\infty \frac{1}{x^2} dx = 1$$

```
\usepackage[math=+ss08]{libertinus-otf}
```

With `math=+ss08`: $\int_1^\infty \frac{1}{x^2} dx = 1$

$\int_1^\infty \frac{1}{x^2} dx = 1$

$\int_1^\infty \frac{1}{x^2} dx = 1$

With math=+ss08: $\int_1^{\infty} \frac{1}{x^2} dx = 1$

$$\int_1^{\infty} \frac{1}{x^2} dx = 1$$

$$\int_1^{\infty} \frac{1}{x^2} dx = 1$$

1.2 The serif font

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

mdseries
upright

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

bfseries
upright

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mdseries
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itshape

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mdseries
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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIA-
DAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NA-
SZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE

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DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIĘM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIĘM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIĘM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIĘM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIĘM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries
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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZACNIE URZĄDZAŁ. NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIĘM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

bfseries
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1.3 The sans serif font

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskięm bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

mdseries
upright

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskięm bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

bfseries
upright

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie.

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Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żył maja Wiec. Nię Taka Albo tace Usta pęk ucha.

**Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesar-
skich znaczy rączy muchom malarstwie spisem różowemi zanie urządzał. Nasze Praga stare żeś Żyje cnoty
Tabor. Mówcy pokój Również śmielęj wionęła jarzynach liczne drogą jastrzęb słowo zabawy odjechał życie.
Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żył maja Wiec. Nię Taka Albo tace
Usta pęk ucha.**

bfseries
itshape

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Ce-
sarskich znaczy rączy muchom malarstwie spisem różowemi zanie urządzał. Nasze Praga stare żeś
Żyje cnoty Tabor. Mówcy pokój Również śmielęj wionęła jarzynach liczne drogą jastrzęb słowo zabawy
odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żył maja Wiec.
Nię Taka Albo tace Usta pęk ucha.

mdseries
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**Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty o-
powiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zanie urządzał. Na-
sze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielęj wionęła jarzynach liczne
drogą jastrzęb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych
myśliwskim bór pęk żył maja Wiec. Nię Taka Albo tace Usta pęk ucha.**

bfseries
slshape

HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIA-
DAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZANIE URZĄDZAŁ. NASZE PRAGA STARE
ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELĘJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO
ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA
WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries
upright
scshape

**HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPO-
WIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZANIE URZĄDZAŁ.
NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELĘJ WIONĘŁA JARZYNACH
LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRA-
MATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.**

bfseries
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HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIA-
DAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZANIE URZĄDZAŁ. NASZE PRAGA STARE
ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELĘJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB
SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK
ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries
itshape
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**HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIA-
DAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZANIE URZĄDZAŁ. NASZE PRAGA STARE
ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELĘJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB
SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK
ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.**

bfseries
itshape
scshape

HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPOWIA-
DAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZANIE URZĄDZAŁ. NASZE PRAGA STARE
ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELĘJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO
ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIEM BÓR PĘK ŻYT MAJA
WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries
slshape
scspape

**HONORU MYŚLIWYCH ZARAZA RYMSZA LIBIJSKICH WSZYSTKICH WOŹNY PRZERYWAŁ SZCZODROTY OPO-
WIADAŃ. CESARSKICH ZNACZY RĄCZY MUCHOM MALARSTWIE SPISEM RÓŻOWEMI ZANIE URZĄDZAŁ.**

bfseries
slshape
scspape

NASZE PRAGA STARE ŻEŚ ŻYJE CNOTY TABOR. MÓWCY POKÓJ RÓWNIEŻ ŚMIELÉJ WIONĘŁA JARZYNACH LICZNE DROGĄ JASTRZĄB SŁOWO ZABAWY ODJECHAŁ ŻYCIE. DANO OJCU WYPROWADZAJĄ KUCA DRAMATYCZNYCH MYŚLIWSKIÉM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

1.4 The mono font

If you do not like the monofont, you can use the package option `mono=false`, then no mono font is defined and the default Latin Modern Mono will be used unless no one other will be defined. However, by default the package loads the Libertinus Mono font with the default features:

```
\setmonofont{LibertinusMono-Regular.otf[Scale=MatchLowercase,FakeStretch=0.9]}
```

These values can be changed with for example:

```
\usepackage[ScaleTT=MatchUppercase,StretchTT=0.95]{libertinus-otf}
```

```
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß'`?=(/%%$§"!°QWERTZUIOPŰ*'ÄÖLKJHGFDSA>YXCVBNM;:_
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß'`?=(/%%$§"!°QWERTZUIOPŰ*'ÄÖLKJHGFDSA>YXCVBNM;:_
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß'`?=(/%%$§"!°QWERTZUIOPŰ*'ÄÖLKJHGFDSA>YXCVBNM;:_
-. ,mnbvcxy<#äölkjhgfdsa+üpoiuztrewq^234567890ß'`?=(/%%$§"!°QWERTZUIOPŰ*'ÄÖLKJHGFDSA>YXCVBNM;:_
```

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskiém bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Cesarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskiém bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.

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2 Features

2.1 Serif fonts

```
otfinfo --features LibertinusSerif-Regular.otf
c2sc    Small Capitals From Capitals
calt    Contextual Alternates
case    Case-Sensitive Forms
ccmp    Glyph Composition/Decomposition
cspc    Capital Spacing
dlig    Discretionary Ligatures
frac    Fractions
hlig    Historical Ligatures
kern    Kerning
liga    Standard Ligatures
lnum    Lining Figures
mark    Mark Positioning
mkmk    Mark to Mark Positioning
onum    Oldstyle Figures
pnum    Proportional Figures
salt    Stylistic Alternates
sinf    Scientific Inferiors
smcp    Small Capitals
ss01    Stylistic Set 1
ss02    Stylistic Set 2
ss03    Stylistic Set 3
ss04    Stylistic Set 4
ss05    Stylistic Set 5
ss06    Stylistic Set 6
ss07    Stylistic Set 7
subs    Subscript
supc    Superscript
tnum    Tabular Figures
zero    Slashed Zero
```

2.2 Sans Serif fonts

```
otfinfo --features LibertinusSans-Regular.otf
c2sc    Small Capitals From Capitals
calt    Contextual Alternates
case    Case-Sensitive Forms
ccmp    Glyph Composition/Decomposition
cspc    Capital Spacing
dlig    Discretionary Ligatures
frac    Fractions
hlig    Historical Ligatures
kern    Kerning
liga    Standard Ligatures
lnum    Lining Figures
mark    Mark Positioning
onum    Oldstyle Figures
pnum    Proportional Figures
salt    Stylistic Alternates
sinf    Scientific Inferiors
smcp    Small Capitals
```

ss01	Stylistic Set 1
ss03	Stylistic Set 3
ss04	Stylistic Set 4
ss06	Stylistic Set 6
ss07	Stylistic Set 7
subs	Subscript
sup	Superscript
tnum	Tabular Figures
zero	Slashed Zero

2.3 Math font

ss08	Stylistic Set 8 (slanted integral symbols)
------	--

3 Package options

Possible optional arguments are

oldstyle, osf	old-style figures
lining, nf, lf	lining figures (default)
proportional, p	varying-width figures
tabular, t	fixed-width figures (default)
semibold, sb	semibold version
bold	bold version (default)
ScaleRM	scaling for the serif font, preset to 1
ScaleSF	scaling for the sans serif font, preset to 1
ScaleTT	scaling for the mono font, preset to MatchLowercase
StretchTT	value (0..1) for the mono font stretch (FakeStretch)
defaultfeatures	valid only for and

```
\usepackage[osf]{libertinus-otf}
0000111122223333444455556666777788889999\par abcdefghijklmn
```

```
0000111122223333444455556666777788889999
abcdefghijklmn
```

```
\usepackage[lining]{libertinus-otf}
0000111122223333444455556666777788889999\par abcdefghijklmn
```

```
0000111122223333444455556666777788889999
abcdefghijklmn
```

```
\usepackage[t=false]{libertinus-otf}
0000111122223333444455556666777788889999\par
\addfontfeatures{RawFeature=+tnum}%
```

```
0000111122223333444455556666777788889999
```

```
0000111122223333444455556666777788889999  
0000111122223333444455556666777788889999
```

```
\usepackage[p]{libertinus-otf}  
0000111122223333444455556666777788889999\par  
\addfontfeatures{RawFeature=-pnum}%  
0000111122223333444455556666777788889999
```

```
0000111122223333444455556666777788889999  
0000111122223333444455556666777788889999
```

4 Features

4.1 Capitals to Small Caps

The macro `\Lctosc{arg}` is for a local change of *arg* and `\LctoSC+` and `\LctoSC-` for a global change of capitals to small caps.

```
\usepackage{libertinus-otf}  
\usepackage{xcolor}  
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosc{Libertinus Font ŒŸÉÄÄ Кириллица}\\  
\LctoSC+ Libertinus Font ŒŸÉÄÄ Кириллица  
  
\sffamily \LctoSC-  
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosc{Libertinus Font ŒŸÉÄÄ Кириллица}\\  
\LctoSC+ Libertinus Font ŒŸÉÄÄ Кириллица
```

```
Libertinus Font ŒŸÉÄÄ Кириллица Libertinus Font ŒŸÉÄÄ Кириллица  
Libertinus Font ŒŸÉÄÄ Кириллица  
Libertinus Font ŒŸÉÄÄ Кириллица Libertinus Font ŒŸÉÄÄ Кириллица  
Libertinus Font ŒŸÉÄÄ Кириллица
```

4.2 Capitals to Small Caps and small capitals

The macro `\Lctosmcp{arg}` is for a local change of *arg* and `\LctoSMCP+` and `\LctoSMCP-` for a global change of capitals to small caps.

```
\usepackage{libertinus-otf}  
\usepackage{xcolor}  
Libertinus Font ŒŸÉÄÄ Кириллица \Lctosmcp{Libertinus Font ŒŸÉÄÄ Кириллица}\\  
\LctoSMCP+ Libertinus Font ŒŸÉÄÄ Кириллица
```

```
\sffamily \LctoSMCP-
Libertinus Font ЎЎЎЎЎ Кириллица \Lctosmcp{Libertinus Font ЎЎЎЎЎ Кириллица}\
\LctoSMCP+ Libertinus Font ЎЎЎЎЎ Кириллица
```

```
Libertinus Font ЎЎЎЎЎ Кириллица LIBERTINUS FONT ЎЎЎЎЎ Кириллица
LIBERTINUS FONT ЎЎЎЎЎ Кириллица
Libertinus Font ЎЎЎЎЎ Кириллица LIBERTINUS FONT ЎЎЎЎЎ Кириллица
LIBERTINUS FONT ЎЎЎЎЎ Кириллица
```

4.3 Ligatures

The macros `\Lliga{arg}` (standard ligatures), `\Lhlig{arg}` (historical ligatures), `\Ldlig{arg}` (discretionary ligatures) are for a local change of *arg* and `\LLIGA+/\LLIGA-`, `\LHLIG+/\LHLIG-`, and `\LDLIG+/\LDIG-` for a global change of capitals to small caps relative to the current group.

```
\usepackage{libertinus-otf}
\usepackage{xcolor}

fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft

\LLIGA-
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft

ct, st \quad \LHLIG+ ct, st \LHLIG-

Th, tt, tz, ck, ch \quad \LDLIG+ Th, tt, tz, ck, ch \LDLIG-

\sffamily \LLIGA+ % Default
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft

\LLIGA-
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft

ct, st \quad \LHLIG+ ct, st \LHLIG-

Th, tt, tz, ck, ch \quad \LDLIG+ Th, tt, tz, ck, ch \LDLIG-
```

```
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
ct, st      ct, st
Th, tt, tz, ck, ch      Th, tt, tz, ck, ch
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
fb, ff, fh, ffh, fi, ffi, fj, ffj, fk, ffk, fl, ffl, ft, fft, fh, fl, fs, ff, ft
ct, st      ct, st
Th, tt, tz, ck, ch      Th, tt, tz, ck, ch
```

4.4 Case sensitive Forms

The macro `\Lcase{arg}` is for a local change of *arg* and `\LCASE+` and `\LCASE-` for a global change of case sensitive forms.

```
\usepackage{libertinus-otf}
\usepackage{xcolor}

¡CANTÁ! ¿CUÁNTOS? L1234567890L-\\
\textcolor{red}{\Lcase{¡CANTÁ! ¿CUÁNTOS? L1234567890L-}}

\makebox[0pt][l]{¡CANTÁ! ¿CUÁNTOS? L1234567890L-}%
\textcolor{red}{\Lcase{¡CANTÁ! ¿CUÁNTOS? L1234567890L-}}

\sffamily
¡CANTÁ! ¿CUÁNTOS? L1234567890L-\\
\textcolor{red}{\Lcase{¡CANTÁ! ¿CUÁNTOS? L1234567890L-}}

\makebox[0pt][l]{¡CANTÁ! ¿CUÁNTOS? L1234567890L-}%
\textcolor{red}{\Lcase{¡CANTÁ! ¿CUÁNTOS? L1234567890L-}}
```

¡CANTÁ! ¿CUÁNTOS? L1234567890L- ¡CANTÁ! ¿CUÁNTOS? L1234567890L- ¡CANTÁ! ¿CUÁNTOS? L1234567890L- ¡CANTÁ! ¿CUÁNTOS? L1234567890L- ¡CANTÁ! ¿CUÁNTOS? L1234567890L- ¡CANTÁ! ¿CUÁNTOS? L1234567890L-
--

4.5 Capital spacing, uppercase kerning

```
\usepackage{libertinus-otf}
\usepackage{xcolor}

IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.\\
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}

\makebox[0pt][l]{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}%
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}

\sffamily
IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.\\
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}

\makebox[0pt][l]{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}%
\textcolor{red}{\Lcsp{IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.}}
```

IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
 IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
 IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
 IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
 IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.
 IN THE BEGINNING GOD CREATED THE HEAVENS AND THE EARTH.

4.6 Stylistic Alternates

The macro `\Lsalt{arg}` is for a local change of *arg* and `\LSALT+` and `\LSALT-` for the alternate characters.

```
\usepackage{libertinus-otf}
&\beta\kappa\Jha \quad &\beta\J\Lsalt{\kappa\Jha} \quad &\LSALT+ &\beta\kappa\Jha \quad &\LSALT- &\beta\kappa\Jha

\sffamily
&\beta\kappa\Jha \quad &\beta\J\Lsalt{\kappa\Jha} \quad &\LSALT+ &\beta\kappa\Jha \quad &\LSALT- &\beta\kappa\Jha
```

β	κ	\mathfrak{J}	\mathfrak{h}	\mathfrak{a}
β	κ	\mathfrak{J}	\mathfrak{h}	\mathfrak{a}

4.7 Stylistic Sets

There is a short command `\Lssxx{text}` for the seven stylistic sets, where *xx* is the number of the set (two digits) and *text* the local argument:

```
\usepackage{libertinus-otf}
Ä,Ë,Ö\rightarrow\Lss01{Ä,Ë,Ö}\quad J,K,R\rightarrow\Lss02{J,K,R}\quad
ß,ß,,\textsc{ß}\rightarrow\Lss03{ß,ß,,\textsc{ß}}\quad ß\rightarrow\Lss04{ß}\quad
W\rightarrow\Lss05{W}\quad &\rightarrow\Lss06{\&}\quad \mathfrak{J}\rightarrow\Lss07{\mathfrak{J}}

\sffamily
Ä,Ë,Ö\rightarrow\Lss01{Ä,Ë,Ö}\quad ß,ß,,\textsc{ß}\rightarrow\Lss03{ß,ß,,\textsc{ß}}\quad ß
\rightarrow\Lss04{ß}\quad &\rightarrow\Lss06{\&}\quad \mathfrak{J}\rightarrow\Lss07{\mathfrak{J}}
```

Ä,Ë,Ö→Ä,Ë,Ö	J,K,R→J,K,R	ß,ß,ß→ss,SS,ss	ß→SS	W→W	&→&	ℑ→ℑ
Ä,Ë,Ö→Ä,Ë,Ö	ß,ß,ß→ss,SS,ss	ß→SS	&→&	ℑ→ℑ		

For a global change of the stylistic set one can use the command `\LSSxx`, where *xx* is again the number of the set.

```
\usepackage{libertinus-otf}
ÄËÖ \LSS01 ÄËÖ
```


ÄÖ ÄÖ

```
\usepackage{libertinus-otf}
JKR \LSS02 JKR
```

JKR JKR

```
\usepackage{libertinus-otf}
{\LSS03 } \LSS04 }
```

ss SS

```
\usepackage{libertinus-otf}
\huge
W {\LSS05 W} \quad \quad W \quad \quad W
```

W W W WIKIPEDIA

```
\usepackage{libertinus-otf}
\huge\& {\LSS06 \&}

\Land\ \textsf{\Land}
```

& & & &

4.8 Fractions

There are two macros: `\Lfrac{arg}` for a local fraction setting and `\LFRAC+` and `\LFRAC-` for a global setting relative to the current group.

```
\usepackage{libertinus-otf}
L 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10 5/20 9/1289 \par
L 1/2 \Lfrac{1/3} 1/4 1/5 1/6 1/7 1/8 1/9 1/10 \Lfrac{5/1289}

\LFRAC+
L 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10 5/20 9/1289
```

L 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10 5/20 9/1289

$L\ 1/2\ 1/3\ 1/4\ 1/5\ 1/6\ 1/7\ 1/8\ 1/9\ 1/10\ 5/20\ 9/1289$
 $L\ 1/2\ \frac{1}{3}\ 1/4\ 1/5\ 1/6\ 1/7\ 1/8\ 1/9\ 1/10\ \frac{5}{1289}$
 $L\ \frac{1}{2}\ \frac{1}{3}\ \frac{1}{4}\ \frac{1}{5}\ \frac{1}{6}\ \frac{1}{7}\ \frac{1}{8}\ \frac{1}{9}\ \frac{1}{10}\ \frac{5}{20}\ \frac{9}{1289}$
 $L\ 1/2\ 1/3\ 1/4\ 1/5\ 1/6\ 1/7\ 1/8\ 1/9\ 1/10\ 5/20\ 9/1289$

```
\usepackage{ libertinus -otf}
```

H2O, YCbCr, L1234567890abcdefgh

$$\begin{array}{l} \backslash \text{Lsinf}\{\text{H2O}\}, \backslash \text{Lsinf}\{\text{YCbCr}\}, \backslash \text{Lsinf}\{\text{L1234567890abcdefgh}\} \backslash \text{par} \backslash \text{sffamily} \\ \backslash \text{Lsinf}\{\text{H2O}\}, \backslash \text{Lsinf}\{\text{YCbCr}\}, \backslash \text{Lsinf}\{\text{L1234567890abcdefgh}\} \end{array}$$

H2O, YCbCr, L1234567890abcdefgh
H2O, YCbCr, L1234567890abcdefgh
H2O, YCbCr, L1234567890abcdefgh

`\textsup{text}` for superiors, `\textsfb{text}` for semibold (only serif font), and `\textinit{TEXT}` for Initials (only uppercase characters).

7\textsup{th} floor \textsf{Semibold} instead of \textbf{bold} and
\textit{INITIALS}

\font\LibertinusKeyboard="file:LibertinusKeyboard-Regular.otf"

```
\newfontfamily\LibertinusDisplay{libertinusdisplay-regular.otf}
```

`\newfontfamily\Libertinusinitials{libertinusinitials-regular.otf}`

!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	
@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	[\]	^	
_	^	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	{	|	}	
~	ı	€	£	¤	¥	¦	§	«	¬	®	±	´	µ	·	,	»	À	Á	Â	Ã	Ä	Å	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï
Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à	á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï
Ĳ	đ	ñ	ò	ó	ô	õ	÷	ø	ù	ú	û	ü	ý	þ	ÿ	Ā	ā	Ă	ă	Ą	ą	Ć	ć	Ĉ	ĉ	Č	č	Ċ	ċ	Ď	
d	Đ	đ	Ě	ě	Ě	ě	È	é	Ê	ë	Ĝ	g	Ğ	ğ	Ġ	ġ	Ģ	ģ	Ĥ	ĥ	Ħ	ħ	Ĩ	h	İ	ı	Í	î	Î	ï	

I i J j K k L l N n O o
ö Ö Ò Ó Ô Õ Ö Ø Š š Ś ś S s Š š T t Ŧ ŧ Ţ ţ Ť ť Ũ ů Ú ú Ů ů Ű ű
Ų ų Ŵ ŵ Ŷ ŷ Ž ž Ž ž Ž ž : ⅈ ⅉ ⅊ ⅋ ⅌ ⅍ ⅎ ⅏ ⅐ ⅑ ⅒ ⅓ ⅔ ⅕ ⅖ ⅗
⅘ ⅙ ⅚ ⅛ ⅜ ⅝ ⅞ ⅟ Ⅰ Ⅱ Ⅲ Ⅳ Ⅴ Ⅵ Ⅶ Ⅷ Ⅸ Ⅹ Ⅺ Ⅻ Ⅼ Ⅽ Ⅾ Ⅿ ⅰ ⅱ ⅲ ⅳ ⅴ ⅵ

```

\DeclareRobustCommand*\LKeyAltF[1]{\LKeyAlt+\@nameuse{libertine@F@#1}}
\DeclareRobustCommand*\LKeyStrgAltF[1]{\LKeyStrg+\LKeyAlt+\@nameuse{libertine@key@F@#1}}
\DeclareRobustCommand*\LKeyStrgX[1]{\LKeyStrg+\LKey{#1}}
\DeclareRobustCommand*\LKeyShiftX[1]{\LKeyShift+\LKey{#1}}
\DeclareRobustCommand*\LKeyAltX[1]{\LKeyAlt+\LKey{#1}}
\DeclareRobustCommand*\LKeyAltGrX[1]{\LKeyAltGr+\LKey{#1}}
\DeclareRobustCommand*\LKeyShiftStrgX[1]{\LKeyShift+\LKeyStrg+\LKey{#1}}
\DeclareRobustCommand*\LKeyShiftAltX[1]{\LKeyShift+\LKeyAlt+\LKey{#1}}
\DeclareRobustCommand*\LKeyShiftAltGrX[1]{\LKeyShift+\LKeyAltGr+\LKey{#1}}
\DeclareRobustCommand*\LKeyStrgAltX[1]{\LKeyStrg+\LKeyAlt+\LKey{#1}}
\DeclareRobustCommand*\LKeyStrgAltEntf{\LKeyStrg+\LKeyAlt+\LKeyEntf}
\let\LKeyReset\LKeyStrgAltEntf

\LKeyAltF1      \LKeyStrgAltF1      \LKeyStrgXC      \LKeyShiftXC      \LKeyAltXC      \LKeyAltGrXC
 $\boxed{\text{Alt}} + \boxed{\text{F1}}$        $\boxed{\text{Strg}} + \boxed{\text{Alt}} + \boxed{\text{F1}}$        $\boxed{\text{Strg}} + \boxed{\text{C}}$        $\boxed{\text{Shift}} + \boxed{\text{C}}$        $\boxed{\text{Alt}} + \boxed{\text{C}}$        $\boxed{\text{AltGr}} + \boxed{\text{C}}$ 
\LKeyShiftStrgXC \LKeyShiftAltXC \LKeyShiftAltGrXC \LKeyStrgAltXC \LKeyStrgAltEntf
 $\boxed{\text{Shift}} + \boxed{\text{Strg}} + \boxed{\text{C}}$        $\boxed{\text{Shift}} + \boxed{\text{Alt}} + \boxed{\text{C}}$        $\boxed{\text{Shift}} + \boxed{\text{AltGr}} + \boxed{\text{C}}$        $\boxed{\text{Strg}} + \boxed{\text{Alt}} + \boxed{\text{C}}$        $\boxed{\text{Strg}} + \boxed{\text{Alt}} + \boxed{\text{Entf}}$ 
\LKeyReset
 $\boxed{\text{Strg}} + \boxed{\text{Alt}} + \boxed{\text{Entf}}$ 

```

Honoru myśliwych zaraza Rymsza Libijskich wszystkich Woźny przerywał szczodroty opowiadań. Cesar-
skich znaczy rączy muchom malarstwie spisem różowemi zanie urządzał. Nasze Praga stare żeś Żyje cnoty

Tabor. Mówcy pokój Również śmielej wionęła jarzynach liczne drogą jastrząb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żył maja Wiece. Nię Taka Albo tace Usta pęk ucha.

6.3 Initial font

0 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Å Ä Æ Ç Ö Ø
 Œ ☒

7 Font commands

Instead of using the command `\fontspec` for changing to a different type of a Libertinus font, one can use a predefined command:

```
\LibertinusSerifSB (SemiBold)
\LibertinusSerifOsF (Old style proportional figures)
\LibertinusSansOsF (Old style proportional figures)
```

```
\usepackage{libertinus}
```

The default 0123456

```
{\bfseries standard bold}
```

```
{\LibertinusSerifSB \bfseries SemiBold 0123456}
```

```
\LibertinusSerifOsF normal weight 0123456
```

```
\LibertinusSansOsF normal weight 0123456
```

<p>The default 0123456 standard bold SemiBold 0123456 normal weight 0123456 normal weight 0123456</p>

8 The font list of Libertinus Serif

-1: (.notdef)	-1: (j.inferior)	-1: (questiondown.sc)	-1: (uni0332.450)	-1: (uni0414.loclBGR)
-1: (lslash.sc)	-1: (h.inferior)	-1: (f_f)	-1: (uni0332.650)	-1: (caron.cap)
-1: (nacute.sc)	-1: (zcaron.sc)	-1: (guilsinglleft.sc)	-1: (uni0332.700)	-1: (uni043D.loclBGR)
-1: (ncaron.sc)	-1: (nine.fitted)	-1: (guilsinglright.sc)	-1: (uni0332.750)	-1: (uni0424.loclBGR)
-1: (eng.sc)	-1: (seven.taboldstyle)	-1: (guillemotright.sc)	-1: (uni0332.400)	-1: (uni0433.loclBGR)
-1: (lacute.sc)	-1: (four.oldstyle)	-1: (eth.sc)	-1: (uni0332.600)	-1: (uni0439.loclBGR)
-1: (ecaron.sc)	-1: (five.oldstyle)	-1: (Euro.fitted)	-1: (uni0332.500)	-1: (uni043A.loclBGR)
-1: (gbreve.sc)	-1: (six.oldstyle)	-1: (a.sc)	-1: (uni0332.550)	-1: (uni0432.loclBGR)
-1: (eogonek.sc)	-1: (seven.oldstyle)	-1: (aacute.sc)	-1: (uni0332.50)	-1: (uni0438.loclBGR)
-1: (dcaron.sc)	-1: (germandbls.sc)	-1: (acircumflex.sc)	-1: (uni0332.800)	-1: (uni0436.loclBGR)
-1: (ohungarumlaut.sc)	-1: (tcaron.sc)	-1: (atilde.sc)	-1: (uni0332.1200)	-1: (uni0437.loclBGR)
-1: (rcaron.sc)	-1: (q.superior)	-1: (adieresis.sc)	-1: (uni0332.1100)	-1: (uni0434.loclBGR)
-1: (tbar.sc)	-1: (dcroat.sc)	-1: (agrave.sc)	-1: (uni0305.500)	-1: (r.inferior)
-1: (uring.sc)	-1: (nine.taboldstyle)	-1: (y.sc)	-1: (uni0305.550)	-1: (uni0305.250)
-1: (uhungarumlaut.sc)	-1: (nine.oldstyle)	-1: (z.sc)	-1: (uni0305.600)	-1: (uni0305.1600)
-1: (racute.sc)	-1: (zero.taboldstyle)	-1: (x.sc)	-1: (uni0305.650)	-1: (longs_longsc_j)
-1: (uni0163.sc)	-1: (five.taboldstyle)	-1: (w.sc)	-1: (uni0305.50)	-1: (longs_longsc_l)
-1: (scedilla.sc)	-1: (six.taboldstyle)	-1: (aring.sc)	-1: (uni0305.400)	-1: (zero.slash.cap)
-1: (scaron.sc)	-1: (c_t)	-1: (ccedilla.sc)	-1: (uni0305.450)	-1: (zero.cap)
-1: (sacute.sc)	-1: (four.taboldstyle)	-1: (igrave.sc)	-1: (uni0305.350)	-1: (longs_longsc_i)
-1: (zacute.sc)	-1: (two.taboldstyle)	-1: (iacute.sc)	-1: (uni0332.1150)	-1: (longsc_l)
-1: (ccaron.sc)	-1: (three.taboldstyle)	-1: (icircumflex.sc)	-1: (uni0305.700)	-1: (longsc_longsc)
-1: (aogonek.sc)	-1: (one.taboldstyle)	-1: (ae.sc)	-1: (uni0305.800)	-1: (longsc_j)
-1: (oe.sc)	-1: (p.inferior)	-1: (edieresis.sc)	-1: (uni0332.1000)	-1: (longsc_i)
-1: (oslash.sc)	-1: (ntilde.sc)	-1: (eacute.sc)	-1: (uni0332.1050)	-1: (one.cap)
-1: (ugrave.sc)	-1: (idieresis.sc)	-1: (ecircumflex.sc)	-1: (uni0305.750)	-1: (three.cap)
-1: (uacute.sc)	-1: (two.fitted)	-1: (egrave.sc)	-1: (uni0332.100)	-1: (eight.cap)
-1: (odieresis.sc)	-1: (three.fitted)	-1: (k.sc)	-1: (uni0305.900)	-1: (nine.cap)
-1: (ocircumflex.sc)	-1: (four.fitted)	-1: (v.sc)	-1: (uni0305.950)	-1: (zero.slash.cap.fitted)
-1: (otilde.sc)	-1: (five.fitted)	-1: (t.sc)	-1: (uni0305.850)	-1: (two.cap)
-1: (oacute.sc)	-1: (one.fitted)	-1: (f.sc)	-1: (uni0305.300)	-1: (seven.cap)
-1: (cacute.sc)	-1: (one.oldstyle)	-1: (g.sc)	-1: (uni0332.850)	-1: (five.cap)
-1: (ucircumflex.sc)	-1: (s_t)	-1: (h.sc)	-1: (uni0332.950)	-1: (six.cap)
-1: (yacute.sc)	-1: (zero.oldstyle)	-1: (i.sc)	-1: (uni0449.loclBGR)	-1: (four.cap)
-1: (hyphen.sc)	-1: (Yen.fitted)	-1: (e.sc)	-1: (uni044A.loclBGR)	-1: (zero.cap.fitted)
-1: (abreve.sc)	-1: (six.fitted)	-1: (c.sc)	-1: (uni044B.loclBGR)	-1: (f_f_j)
-1: (udieresis.sc)	-1: (three.oldstyle)	-1: (d.sc)	-1: (uni044C.loclBGR)	-1: (f.short)
-1: (germandbls.scalt)	-1: (T_h)	-1: (b.sc)	-1: (uni0448.loclBGR)	-1: (y.inferior)
-1: (ydieresis.sc)	-1: (zero.fitted)	-1: (u.sc)	-1: (uni0446.loclBGR)	-1: (z.inferior)
-1: (ij.sc)	-1: (seven.fitted)	-1: (j.sc)	-1: (uni0447.loclBGR)	-1: (hyphen.cap)
-1: (thorn.sc)	-1: (two.oldstyle)	-1: (m.sc)	-1: (uni0444.loclBGR)	-1: (grave.cap)
-1: (ograve.sc)	-1: (Q_u)	-1: (r.sc)	-1: (uni0442.loclBGR)	-1: (w.inferior)
-1: (zdotaccent.sc)	-1: (f_t)	-1: (s.sc)	-1: (uni044E.loclBGR)	-1: (u.inferior)
-1: (lcaron.sc)	-1: (zero.slash.fitted)	-1: (l.sc)	-1: (uni045D.loclBGR)	-1: (v.inferior)
-1: (uni0219.sc)	-1: (f_j)	-1: (q.sc)	-1: (uni03020303)	-1: (t.inferior)
-1: (idotaccent.sc)	-1: (eight.fitted)	-1: (o.sc)	-1: (uni03060300)	-1: (f_f.short)
-1: (b.inferior)	-1: (longsc_t)	-1: (p.sc)	-1: (uni03060301)	-1: (acute.cap)
-1: (c.inferior)	-1: (f_f_i)	-1: (n.sc)	-1: (uni0306.cyracap)	-1: (breve.cap)
-1: (uni021B.sc)	-1: (bracketleft.sc)	-1: (Adieresis.alt)	-1: (uni03020309)	-1: (Eng.UCStyle)
-1: (germandbls.ss03)	-1: (bracketright.sc)	-1: (q.inferior)	-1: (uni03020301)	-1: (Eng.UCStyle.sc)
-1: (uni1E9E.alt)	-1: (braceleft.sc)	-1: (s.inferior)	-1: (uni03020300)	-1: (circumflex.cap)
-1: (zero.slash)	-1: (braceright.sc)	-1: (uni0332.1600)	-1: (uni040D.loclBGR)	-1: (uni01E3.sc)
-1: (eight.taboldstyle)	-1: (parenright.sc)	-1: (uni0332.200)	-1: (uni0332.900)	-1: (W.alt)
-1: (d.inferior)	-1: (Udieresis.alt)	-1: (uni0332.250)	-1: (uni043F.loclBGR)	-1: (aeacute.sc)
-1: (g.inferior)	-1: (parenleft.sc)	-1: (uni0332.300)	-1: (uni043B.loclBGR)	-1: (q.sc.u)
-1: (l.inferior)	-1: (Odieresis.alt)	-1: (uni0332.150)	-1: (uni0418.loclBGR)	-1: (uni0305.200)
-1: (m.inferior)	-1: (f_f_l)	-1: (uni0332.1350)	-1: (uni0419.loclBGR)	-1: (one.cap.fitted)
-1: (n.inferior)	-1: (exclamdown.sc)	-1: (uni0332.1450)	-1: (uni041A.loclBGR)	-1: (three.cap.fitted)
-1: (f.inferior)	-1: (guillemotleft.sc)	-1: (uni0332.1300)	-1: (uni041B.loclBGR)	-1: (f_h)
-1: (k.inferior)	-1: (f_i)	-1: (uni0332.1250)	-1: (uni0416.loclBGR)	-1: (f_k)
-1: (i.inferior)	-1: (f_l)	-1: (uni0332.350)	-1: (uni0306.cyr)	-1: (uni0305.100)

-1: (uni0305.1000)	55: 7 (seven)	118: v (v)	214: Ö (Odieresis)	277: ě (ebreve)
-1: (longs_s)	56: 8 (eight)	119: w (w)	215: × (multiply)	278: Ě (Edotaccent)
-1: (f_f_k)	57: 9 (nine)	120: x (x)	216: Ø (Oslash)	279: è (edotaccent)
-1: (longs_h)	58: : (colon)	121: y (y)	217: Û (Ugrave)	280: Ě (Eogonek)
-1: (f_f_h)	59: ; (semicolon)	122: z (z)	218: Ů (Uacute)	281: ě (eogonek)
-1: (uni0268.dotless)	60: < (less)	123: { (braceleft)	219: Ū (Ucircumflex)	282: Ě (Ecaron)
-1: (uni0305.1050)	61: = (equal)	124: | (bar)	220: Ü (Udieresis)	283: ě (ecaron)
-1: (uni0305.1150)	62: > (greater)	125: } (braceright)	221: Ÿ (Yacute)	284: Ğ (Gcircumflex)
-1: (uni0305.1450)	63: ? (question)	126: ~ (asciitilde)	222: Þ (Thorn)	285: ğ (gcircumflex)
-1: (uni0305.150)	64: @ (at)	160: (uni00A0)	223: ß (germandbls)	286: Ğ (Gbreve)
-1: (uni0305.1100)	65: A (A)	161: ¡ (exclamdown)	224: à (agrave)	287: ğ (gbreve)
-1: (uni0305.1350)	66: B (B)	162: ¢ (cent)	225: á (acute)	288: Ğ (Gdotaccent)
-1: (uni0305.1250)	67: C (C)	163: £ (sterling)	226: â (acircumflex)	289: ğ (gdotaccent)
-1: (uni0305.1300)	68: D (D)	164: ¤ (currency)	227: ã (atilde)	290: Ğ (uni0122)
-1: (uni0305.1200)	69: E (E)	165: ¥ (yen)	228: ä (adieresis)	291: ğ (uni0123)
-1: (two.cap.fitted)	70: F (F)	166: ¤ (brokenbar)	229: å (aring)	292: Ĥ (Hcircumflex)
-1: (uni0249.dotless)	71: G (G)	167: § (section)	230: æ (ae)	293: ĥ (hcircumflex)
-1: (t_t)	72: H (H)	168: ¨ (dieresis)	231: ċ (ccedilla)	294: Ĥ (Hbar)
-1: (eight.cap.fitted)	73: I (I)	169: © (copyright)	232: è (grave)	295: ĥ (hbar)
-1: (nine.cap.fitted)	74: J (J)	170: ª (ordfeminine)	233: é (acute)	296: ï (tilde)
-1: (c_h)	75: K (K)	171: « (guillemotleft)	234: ê (ecircumflex)	297: ï (itilde)
-1: (c_k)	76: L (L)	172: ¬ (logicalnot)	235: ë (edieresis)	298: Ĭ (Imacron)
-1: (seven.cap.fitted)	77: M (M)	173: (uni00AD)	236: ì (igrave)	299: Ĭ (imacron)
-1: (five.cap.fitted)	78: N (N)	174: ® (registered)	237: í (iacute)	300: Ĩ (ibreve)
-1: (six.cap.fitted)	79: O (O)	175: ¯ (macron)	238: î (icircumflex)	301: ĩ (ibreve)
-1: (four.cap.fitted)	80: P (P)	176: ° (degree)	239: ï (idieresis)	302: ĩ (logonek)
-1: (a.scalt)	81: Q (Q)	177: ± (plusminus)	240: ð (eth)	303: ĩ (iogonek)
-1: (t_z)	82: R (R)	178: ² (twosuperior)	241: ñ (ntilde)	304: Ĩ (Idotaccent)
-1: (K.alt)	83: S (S)	179: ³ (threesuperior)	242: ò (ograve)	305: ı (dotlessi)
-1: (h.alt)	84: T (T)	180: ´ (acute)	243: ó (oacute)	306: Ĳ (IJ)
-1: (y.alt)	85: U (U)	181: μ (uni00B5)	244: ô (ocircumflex)	307: ĳ (ij)
-1: (J.alt)	86: V (V)	182: ¶ (paragraph)	245: õ (otilde)	308: Ĵ (Jcircumflex)
-1: (uni0431.ital)	87: W (W)	183: · (periodcentered)	246: ö (odieresis)	309: ĵ (jcircumflex)
-1: (germandbls.alt)	88: X (X)	184: ¸ (cedilla)	247: ÷ (divide)	310: Ķ (uni0136)
-1: (ampersand.alt)	89: Y (Y)	185: ¹ (onesuperior)	248: ø (oslash)	311: ķ (uni0137)
-1: (R.alt)	90: Z (Z)	186: º (ordmasculine)	249: ù (ugrave)	312: κ (kgreenlandic)
-1: (uni03060303)	91: [(bracketleft)	187: » (guillemotright)	250: ú (uacute)	313: Ĺ (Lacute)
-1: (uni0457.calt)	92: \ (backslash)	188: ¼ (onequarter)	251: û (ucircumflex)	314: Ľ (lacute)
0: (uni0000)	93:] (bracketright)	189: ½ (onehalf)	252: ü (udieresis)	315: Ļ (uni013B)
13: (uni000D)	94: ^ (asciicircum)	190: ¾ (threequarters)	253: ý (yacute)	316: Į (uni013C)
32: (space)	95: _ (underscore)	191: ¿ (questiondown)	254: þ (thorn)	317: Ļ (Lcaron)
33: ! (exclam)	96: ´ (grave)	192: À (Agrave)	255: Ÿ (ydieresis)	318: Ŀ (lcaron)
34: ” (quotedbl)	97: a (a)	193: Á (Aacute)	256: Ā (Amacron)	319: Ł (Ldot)
35: # (numeralsign)	98: b (b)	194: Â (Acircumflex)	257: ā (amacron)	320: ı (ldot)
36: \$ (dollar)	99: c (c)	195: Ã (Atilde)	258: Ă (Abreve)	321: Ł (Lslash)
37: % (percent)	100: d (d)	196: Ä (Adieresis)	259: ă (abreve)	322: ł (lslash)
38: & (ampersand)	101: e (e)	197: Å (Aring)	260: Ą (Aogonek)	323: Ń (Nacute)
39: ’ (quotesingle)	102: f (f)	198: Æ (AE)	261: ą (aogonek)	324: ń (nacute)
40: ((parenleft)	103: g (g)	199: Ć (Ccedilla)	262: Ć (Cacute)	325: Ņ (uni0145)
41:) (parenright)	104: h (h)	200: Ė (Egrave)	263: ć (cacute)	326: ņ (uni0146)
42: * (asterisk)	105: i (i)	201: É (Eacute)	264: Ĉ (Ccircumflex)	327: Ň (Ncaron)
43: + (plus)	106: j (j)	202: Ê (Ecircumflex)	265: ĉ (ccircumflex)	328: ñ (ncaron)
44: , (comma)	107: k (k)	203: Ë (Edieresis)	266: Ċ (Cdotaccent)	329: ˆn (napostrophe)
45: - (hyphen)	108: l (l)	204: Ì (Igrave)	267: ċ (cdotaccent)	330: Ŋ (Eng)
46: . (period)	109: m (m)	205: Í (Iacute)	268: Ĉ (Ccaron)	331: ŋ (eng)
47: / (slash)	110: n (n)	206: Î (Icircumflex)	269: č (ccaron)	332: Ō (Omacron)
48: 0 (zero)	111: o (o)	207: Ī (Idieresis)	270: Ď (Dcaron)	333: ō (omacron)
49: 1 (one)	112: p (p)	208: ð (Eth)	271: đ (dcaron)	334: Ŏ (Obreve)
50: 2 (two)	113: q (q)	209: Ñ (Ntilde)	272: Đ (Dcroat)	335: ǒ (obreve)
51: 3 (three)	114: r (r)	210: Ò (Ograve)	273: đ (dcroat)	336: Ű (Ohungarumlaut)
52: 4 (four)	115: s (s)	211: Ó (Oacute)	274: Ē (Emacron)	337: ő (ohungarumlaut)
53: 5 (five)	116: t (t)	212: Ô (Ocircumflex)	275: ē (emacron)	338: Œ (OE)
54: 6 (six)	117: u (u)	213: Õ (Otilde)	276: Ě (Ebreve)	339: œ (oe)

340: Ŕ (Racute)	403: Ĝ (uni0193)	466: Ǿ (uni01D2)	529: ř (uni0211)	592: ɐ (uni0250)
341: ř (racute)	404: Ÿ (uni0194)	467: Ŭ (uni01D3)	530: Ř (uni0212)	593: ɑ (uni0251)
342: Ṛ (uni0156)	405: ħ (uni0195)	468: Ű (uni01D4)	531: ř (uni0213)	594: ɒ (uni0252)
343: ṛ (uni0157)	406: ł (uni0196)	469: Ų (uni01D5)	532: Ŭ (uni0214)	595: ḃ (uni0253)
344: Ř (rcaron)	407: Ī (uni0197)	470: ũ (uni01D6)	533: ű (uni0215)	596: ɔ (uni0254)
345: ř (rcaron)	408: Ķ (uni0198)	471: Ů (uni01D7)	534: Ū (uni0216)	597: ɕ (uni0255)
346: Ŝ (Sacute)	409: ķ (uni0199)	472: ů (uni01D8)	535: û (uni0217)	598: ḑ (uni0256)
347: ŝ (sacute)	410: ĭ (uni019A)	473: Ű (uni01D9)	536: Ș (uni0218)	599: ḏ (uni0257)
348: Ŝ (Scircumflex)	411: λ̣ (uni019B)	474: ũ̇ (uni01DA)	537: ș (uni0219)	600: ə (uni0258)
349: ŝ (scircumflex)	412: 𐌆 (uni019C)	475: Ū (uni01DB)	538: Ț (uni021A)	601: ə (uni0259)
350: Ș (Scedilla)	413: Ț (uni019D)	476: ű (uni01DC)	539: ț (uni021B)	602: ɶ (uni025A)
351: ș (scedilla)	414: η̣ (uni019E)	477: ə̇ (uni01DD)	540: Ȝ (uni021C)	603: ɛ (uni025B)
352: Ŝ (Scaron)	415: Θ (uni019F)	478: Ā (uni01DE)	541: ȝ (uni021D)	604: ɜ (uni025C)
353: š (scaron)	416: Ö (Ohorn)	479: ā̇ (uni01DF)	542: Ĥ (uni021E)	605: ʒ (uni025D)
354: Ț (uni0162)	417: ɔ̇ (ohorn)	480: Ă (uni01E0)	543: ħ̇ (uni021F)	606: ɞ (uni025E)
355: ț (uni0163)	418: Ȣ (uni01A2)	481: ă̇ (uni01E1)	544: Ȟ (uni0220)	607: ȟ (uni025F)
356: Ț (Tcaron)	419: ɕ̣ (uni01A3)	482: Æ̇ (uni01E2)	545: ɖ (uni0221)	608: ȡ (uni0260)
357: ť (tcaron)	420: Ṗ (uni01A4)	483: æ̇ (uni01E3)	546: 8 (uni0222)	609: ɡ (uni0261)
358: Ṯ (Tbar)	421: ṛ̣ (uni01A5)	484: Ĝ (uni01E4)	547: 8 (uni0223)	610: ɡ (uni0262)
359: ṭ (tbar)	422: Ṛ (uni01A6)	485: ḡ (uni01E5)	548: Ʒ (uni0224)	611: ɣ (uni0263)
360: Ũ (Utilde)	423: Ȣ (uni01A7)	486: Ġ (Gcaron)	549: Ʒ (uni0225)	612: ɣ (uni0264)
361: ũ (utilde)	424: ȣ (uni01A8)	487: ḡ̇ (gcaron)	550: À (uni0226)	613: ɥ (uni0265)
362: Ū (Umacron)	425: Σ (uni01A9)	488: Ķ̇ (uni01E8)	551: à (uni0227)	614: ɦ̣ (uni0266)
363: ū (umacron)	426: Ĵ (uni01AA)	489: ķ̇ (uni01E9)	552: Ȣ̇ (uni0228)	615: ɦ̣ (uni0267)
364: Ŭ (Ubreve)	427: ȥ (uni01AB)	490: Q̇ (uni01EA)	553: ȣ̇ (uni0229)	616: ì (uni0268)
365: ũ̇ (ubreve)	428: Ṯ (uni01AC)	491: q̇ (uni01EB)	554: Ö̇ (uni022A)	617: ı (uni0269)
366: Ŭ̇ (Uring)	429: ṯ (uni01AD)	492: Q̇ (uni01EC)	555: ö̇ (uni022B)	618: ı (uni026A)
367: û̇ (uring)	430: Ț̇ (uni01AE)	493: ō̇ (uni01ED)	556: Ö̇ (uni022C)	619: İ̇ (uni026B)
368: Ű̇ (Uhungarumlaut)	431: Ŭ̇ (Uhorn)	494: Ȝ̇ (uni01EE)	557: ö̇ (uni022D)	620: İ̇ (uni026C)
369: ű̇ (uhungarumlaut)	432: ı̇ (uhorn)	495: ȝ̇ (uni01EF)	558: Ô̇ (uni022E)	621: İ̇ (uni026D)
370: Ț̇ (Uogonek)	433: Ț̇ (uni01B1)	496: Ȟ̇ (uni01F0)	559: ò (uni022F)	622: İ̇ (uni026E)
371: Ț̇ (uogonek)	434: Ț̇ (uni01B2)	497: DȚ (uni01F1)	560: Ö̇ (uni0230)	623: ı̇ (uni026F)
372: Ŵ (Wcircumflex)	435: Ț̇ (uni01B3)	498: DȚ (uni01F2)	561: ō̇ (uni0231)	624: ı̇ (uni0270)
373: ŵ (wcircumflex)	436: Ț̇ (uni01B4)	499: dż (uni01F3)	562: Ț̇ (uni0232)	625: ı̇ (uni0271)
374: Ț̇ (Ycircumflex)	437: Ț̇ (uni01B5)	500: Ġ̇ (uni01F4)	563: Ț̇ (uni0233)	626: ɲ̇ (uni0272)
375: Ț̇ (ycircumflex)	438: ż (uni01B6)	501: ḡ̇ (uni01F5)	564: İ̇ (uni0234)	627: Ț̇ (uni0273)
376: Ț̇ (Ydieresis)	439: Ț̇ (uni01B7)	502: Ȟ̇ (uni01F6)	565: ɲ̇ (uni0235)	628: Ṅ (uni0274)
377: Ț̇ (Zacute)	440: Ț̇ (uni01B8)	503: Ȟ̇ (uni01F7)	566: ȥ̇ (uni0236)	629: ə̇ (uni0275)
378: Ț̇ (zacute)	441: Ț̇ (uni01B9)	504: Ț̇ (uni01F8)	567: Ț̇ (uni0237)	630: æ̇ (uni0276)
379: Ț̇ (Zdotaccent)	442: Ț̇ (uni01BA)	505: Ț̇ (uni01F9)	568: ɖ̇ (uni0238)	631: ɔ̇ (uni0277)
380: Ț̇ (zdotaccent)	443: Ț̇ (uni01BB)	506: Ā̇ (Aringacute)	569: ɓ̇ (uni0239)	632: ɸ̇ (uni0278)
381: Ț̇ (Zcaron)	444: Ț̇ (uni01BC)	507: ā̇ (aringacute)	570: Ȧ̇ (uni023A)	633: ɹ̇ (uni0279)
382: Ț̇ (zcaron)	445: Ț̇ (uni01BD)	508: Æ̇ (AEacute)	571: Ȣ̇ (uni023B)	634: Ț̇ (uni027A)
383: ƒ̣ (longs)	446: Ț̇ (uni01BE)	509: æ̇ (aeacute)	572: Ȣ̇ (uni023C)	635: Ț̇ (uni027B)
384: ḃ (uni0180)	447: ȥ̇ (uni01BF)	510: Ȣ̇ (Oslashacute)	573: Ȣ̇ (uni023D)	636: Ț̇ (uni027C)
385: Ḃ (uni0181)	448: Ț̇ (uni01C0)	511: ó̇ (oslashacute)	574: Ȧ̇ (uni023E)	637: Ț̇ (uni027D)
386: Ḃ (uni0182)	449: Ț̇ (uni01C1)	512: Ä̇ (uni0200)	575: Ț̇ (uni023F)	638: ɹ̇ (uni027E)
387: Ḃ (uni0183)	450: Ț̇ (uni01C2)	513: ä̇ (uni0201)	576: Ț̇ (uni0240)	639: ɹ̇ (uni027F)
388: Ḃ (uni0184)	451: !̇ (uni01C3)	514: Â̇ (uni0202)	577: Ț̇ (uni0241)	640: Ṛ (uni0280)
389: Ḃ (uni0185)	452: DȚ̇ (uni01C4)	515: â̇ (uni0203)	578: Ț̇ (uni0242)	641: Ṛ (uni0281)
390: Ț̇ (uni0186)	453: DȚ̇ (uni01C5)	516: Ě̇ (uni0204)	579: Ḃ (uni0243)	642: Ț̇ (uni0282)
391: Ț̇ (uni0187)	454: dȚ̇ (uni01C6)	517: ě̇ (uni0205)	580: Ȣ̇ (uni0244)	643: Ț̇ (uni0283)
392: Ț̇ (uni0188)	455: Ț̇ (uni01C7)	518: Ê̇ (uni0206)	581: Λ̇ (uni0245)	644: Ț̇ (uni0284)
393: Ȣ̇ (uni0189)	456: Ț̇ (uni01C8)	519: ê̇ (uni0207)	582: Ȣ̇ (uni0246)	645: Ț̇ (uni0285)
394: Ȣ̇ (uni018A)	457: Ț̇ (uni01C9)	520: Ĭ̇ (uni0208)	583: Ȣ̇ (uni0247)	646: Ț̇ (uni0286)
395: Ȣ̇ (uni018B)	458: Ț̇ (uni01CA)	521: ì̇ (uni0209)	584: Ȣ̇ (uni0248)	647: Ț̇ (uni0287)
396: Ȣ̇ (uni018C)	459: Ț̇ (uni01CB)	522: Î̇ (uni020A)	585: Ȣ̇ (uni0249)	648: Ț̇ (uni0288)
397: Ȣ̇ (uni018D)	460: Ț̇ (uni01CC)	523: î̇ (uni020B)	586: Ȣ̇ (uni024A)	649: Ȣ̇ (uni0289)
398: Ȣ̇ (uni018E)	461: Ȣ̇ (uni01CD)	524: Ö̇ (uni020C)	587: Ȣ̇ (uni024B)	650: Ȣ̇ (uni028A)
399: Ȣ̇ (uni018F)	462: ă̇ (uni01CE)	525: ö̇ (uni020D)	588: Ȣ̇ (uni024C)	651: Ȣ̇ (uni028B)
400: Ȣ̇ (uni0190)	463: Ĭ̇ (uni01CF)	526: Ö̇ (uni020E)	589: Ȣ̇ (uni024D)	652: Ȣ̇ (uni028C)
401: Ȣ̇ (uni0191)	464: İ̇ (uni01D0)	527: ô̇ (uni020F)	590: Ȣ̇ (uni024E)	653: Ȣ̇ (uni028D)
402: Ȣ̇ (florin)	465: Ö̇ (uni01D1)	528: Ȣ̇ (uni0210)	591: Ȣ̇ (uni024F)	654: Ȣ̇ (uni028E)

655: Y (uni028F)	718: ˘ (uni02CE)	786: ˆ (uni0312)	850: ˆ (uni0352)	928: Π (Pi)
656: Z (uni0290)	719: ˙ (uni02CF)	787: ˙ (uni0313)	851: ˚ (uni0353)	929: Ρ (Rho)
657: Ʒ (uni0291)	720: ː (uni02D0)	788: ˚ (uni0314)	852: ˛ (uni0354)	931: Σ (Sigma)
658: Ʒ (uni0292)	721: ˙ (uni02D1)	789: ˙ (uni0315)	853: ˛ (uni0355)	932: Τ (Tau)
659: Ʒ (uni0293)	722: ˙ (uni02D2)	790: ˙ (uni0316)	854: ˛ (uni0356)	933: Υ (Upsilon)
660: Ʒ (uni0294)	723: ˙ (uni02D3)	791: ˙ (uni0317)	855: ˙ (uni0357)	934: Φ (Phi)
661: Ʒ (uni0295)	724: ˙ (uni02D4)	792: ˙ (uni0318)	856: ˙ (uni0358)	935: Χ (Chi)
662: Ʒ (uni0296)	725: ˙ (uni02D5)	793: ˙ (uni0319)	857: ˙ (uni0359)	936: Ψ (Psi)
663: Ʒ (uni0297)	726: ˙ (uni02D6)	794: ˙ (uni031A)	858: ˙ (uni035A)	937: Ω (uni03A9)
664: Θ (uni0298)	727: ˙ (uni02D7)	795: ˙ (uni031B)	859: ˙ (uni035B)	938: İ (Iotadieresis)
665: B (uni0299)	728: ˘ (breve)	796: ˙ (uni031C)	860: ˘ (uni035C)	939: Ỳ (Upsilondieresis)
666: Θ (uni029A)	729: ˙ (dotaccent)	797: ˙ (uni031D)	861: ˙ (uni035D)	940: ά (alphatonos)
667: Ɔ (uni029B)	730: ˚ (ring)	798: ˙ (uni031E)	862: ˙ (uni035E)	941: έ (epsilontonos)
668: H (uni029C)	731: ˙ (ogonek)	799: ˙ (uni031F)	863: ˙ (uni035F)	942: ή (etatonos)
669: j (uni029D)	732: ˘ (tilde)	800: ˙ (uni0320)	864: ˙ (uni0360)	943: ί (iotatonos)
670: ŋ (uni029E)	733: ¨ (hungarumlaut)	801: ˙ (uni0321)	865: ˙ (uni0361)	944: ϐ (upsilondieresis-tonos)
671: L (uni029F)	734: ˚ (uni02DE)	802: ˙ (uni0322)	866: ˙ (uni0362)	945: α (alpha)
672: Ǳ (uni02A0)	735: ˚ (uni02DF)	803: ˙ (dotbelowcomb)	867: ˙ (uni0363)	946: β (beta)
673: Ʒ (uni02A1)	736: ˚ (uni02E0)	804: ˙ (uni0324)	868: ˙ (uni0364)	947: γ (gamma)
674: Ɔ (uni02A2)	737: ˙ (uni02E1)	805: ˙ (uni0325)	869: ˙ (uni0365)	948: δ (delta)
675: Ǳ (uni02A3)	738: ˙ (uni02E2)	806: ˙ (uni0326)	870: ˙ (uni0366)	949: ε (epsilon)
676: Ǳ (uni02A4)	739: ˙ (uni02E3)	807: ˙ (uni0327)	871: ˙ (uni0367)	950: ζ (zeta)
677: Ǳ (uni02A5)	740: ˙ (uni02E4)	808: ˙ (uni0328)	872: ˙ (uni0368)	951: η (eta)
678: ts (uni02A6)	746: ˙ (uni02EA)	809: ˙ (uni0329)	873: ˙ (uni0369)	952: θ (theta)
679: ƭ (uni02A7)	747: ˙ (uni02EB)	810: ˙ (uni032A)	874: ˙ (uni036A)	953: ι (iota)
680: tc (uni02A8)	748: ˙ (uni02EC)	811: ˙ (uni032B)	875: ˙ (uni036B)	954: κ (kappa)
681: ftj (uni02A9)	749: ˙ (uni02ED)	812: ˙ (uni032C)	876: ˙ (uni036C)	955: λ (lambda)
682: ls (uni02AA)	750: ˙ (uni02EE)	813: ˙ (uni032D)	877: ˙ (uni036D)	956: μ (uni03BC)
683: lz (uni02AB)	751: ˙ (uni02EF)	814: ˙ (uni032E)	878: ˙ (uni036E)	957: ν (nu)
684: Ẅ (uni02AC)	752: ˙ (uni02F0)	815: ˙ (uni032F)	879: ˙ (uni036F)	958: ξ (xi)
685: 𐌆 (uni02AD)	753: ˙ (uni02F1)	816: ˙ (uni0330)	884: ˙ (uni0374)	959: ο (omicron)
686: Ʊ (uni02AE)	754: ˙ (uni02F2)	817: ˙ (uni0331)	885: ˙ (uni0375)	960: π (pi)
687: Ʊ (uni02AF)	755: ˙ (uni02F3)	818: ˙ (uni0332)	890: ˙ (uni037A)	961: ρ (rho)
688: ˆ (uni02B0)	756: ˙ (uni02F4)	819: ˙ (uni0333)	891: ˙ (uni037B)	962: ς (uni03C2)
689: ˆ (uni02B1)	757: ˙ (uni02F5)	820: ˙ (uni0334)	892: € (uni037C)	963: σ (sigma)
690: ˆ (uni02B2)	758: ˙ (uni02F6)	821: ˙ (uni0335)	893: ἃ (uni037D)	964: τ (tau)
691: ˆ (uni02B3)	759: ˙ (uni02F7)	822: ˙ (uni0336)	894: ˙ (uni037E)	965: υ (upsilon)
692: ˆ (uni02B4)	760: ˙ (uni02F8)	823: ˙ (uni0337)	900: ˙ (tonos)	966: φ (phi)
693: ˆ (uni02B5)	761: ˙ (uni02F9)	824: ˙ (uni0338)	901: ˙ (dieresis-tonos)	967: χ (chi)
694: ˆ (uni02B6)	762: ˙ (uni02FA)	825: ˙ (uni0339)	902: Ά (Alphatonos)	968: ψ (psi)
695: ˆ (uni02B7)	763: ˙ (uni02FB)	826: ˙ (uni033A)	903: · (anoteleia)	969: ω (omega)
696: ˆ (uni02B8)	764: ˙ (uni02FC)	827: ˙ (uni033B)	904: Έ (Epsilontonos)	970: ϊ (iotadieresis)
697: ˙ (uni02B9)	765: ˙ (uni02FD)	828: ˙ (uni033C)	905: Η (Etatonos)	971: ϐ (upsilondieresis)
698: ˙ (uni02BA)	766: ˙ (uni02FE)	829: ˙ (uni033D)	906: Ι (Iotatonos)	972: ό (omicrontonos)
699: ˙ (uni02BB)	767: ˙ (uni02FF)	830: ˙ (uni033E)	908: Ο (Omicrontonos)	973: ύ (upsilontonos)
700: ˙ (uni02BC)	768: ˙ (gravecomb)	831: ˙ (uni033F)	910: Υ (Upsilon-tonos)	974: ώ (omegatonos)
701: ˙ (uni02BD)	769: ˙ (acutecomb)	832: ˙ (uni0340)	911: Ω (Megatonos)	976: ϐ (uni03D0)
702: ˙ (uni02BE)	770: ˙ (uni0302)	833: ˙ (uni0341)	912: ΐ (iotadieresis-tonos)	977: ϐ (uni03D1)
703: ˙ (uni02BF)	771: ˙ (tildecomb)	834: ˙ (uni0342)	913: Α (Alpha)	978: Υ (uni03D2)
704: ˙ (uni02C0)	772: ˙ (uni0304)	835: ˙ (uni0343)	914: Β (Beta)	979: Υ (uni03D3)
705: ˙ (uni02C1)	773: ˙ (uni0305)	836: ˙ (uni0344)	915: Γ (Gamma)	980: Υ (uni03D4)
706: ˙ (uni02C2)	774: ˙ (uni0306)	837: ˙ (uni0345)	916: Δ (uni0394)	981: ϐ (uni03D5)
707: ˙ (uni02C3)	775: ˙ (uni0307)	838: ˙ (uni0346)	917: Ε (Epsilon)	982: ω (uni03D6)
708: ˙ (uni02C4)	776: ˙ (uni0308)	839: ˙ (uni0347)	918: Ζ (Zeta)	983: κ (uni03D7)
709: ˙ (uni02C5)	777: ˙ (hookabovecomb)	840: ˙ (uni0348)	919: Η (Eta)	984: Q (uni03D8)
710: ˙ (circumflex)	778: ˙ (uni030A)	841: ˙ (uni0349)	920: Θ (Theta)	985: q (uni03D9)
711: ˙ (caron)	779: ˙ (uni030B)	842: ˙ (uni034A)	921: Ι (Iota)	986: ς (uni03DA)
712: ˙ (uni02C8)	780: ˙ (uni030C)	843: ˙ (uni034B)	922: Κ (Kappa)	987: ς (uni03DB)
713: ˙ (uni02C9)	781: ˙ (uni030D)	844: ˙ (uni034C)	923: Λ (Lambda)	988: F (uni03DC)
714: ˙ (uni02CA)	782: ˙ (uni030E)	845: ˙ (uni034D)	924: Μ (Mu)	989: ƒ (uni03DD)
715: ˙ (uni02CB)	783: ˙ (uni030F)	846: ˙ (uni034E)	925: Ν (Nu)	990: ζ (uni03DE)
716: ˙ (uni02CC)	784: ˙ (uni0310)	848: ˙ (uni0350)	926: Ξ (Xi)	991: ζ (uni03DF)
717: ˙ (uni02CD)	785: ˙ (uni0311)	849: ˙ (uni0351)	927: Ο (Omicron)	992: ῥ (uni03E0)

993: 𐤆 (uni03E1)	1073: 𐤁 (uni0431)	1136: 𐤑 (uni0470)	1214: 𐤓 (uni04BE)	1464: 𐤔 (uni05B8)
1008: 𐤇 (uni03F0)	1074: 𐤂 (uni0432)	1137: 𐤒 (uni0471)	1215: 𐤔 (uni04BF)	1465: 𐤕 (uni05B9)
1009: 𐤈 (uni03F1)	1075: 𐤃 (uni0433)	1138: 𐤓 (uni0472)	1216: 𐤕 (uni04C0)	1466: 𐤖 (uni05BA)
1010: 𐤉 (uni03F2)	1076: 𐤄 (uni0434)	1139: 𐤔 (uni0473)	1217: 𐤖 (uni04C1)	1467: 𐤗 (uni05BB)
1011: 𐤊 (uni03F3)	1077: 𐤅 (uni0435)	1140: 𐤕 (uni0474)	1218: 𐤗 (uni04C2)	1468: 𐤘 (uni05BC)
1012: 𐤋 (uni03F4)	1078: 𐤆 (uni0436)	1141: 𐤖 (uni0475)	1219: 𐤘 (uni04C3)	1469: 𐤙 (uni05BD)
1013: 𐤌 (uni03F5)	1079: 𐤇 (uni0437)	1142: 𐤗 (uni0476)	1220: 𐤙 (uni04C4)	1470: 𐤚 (uni05BE)
1014: 𐤍 (uni03F6)	1080: 𐤈 (uni0438)	1143: 𐤘 (uni0477)	1223: 𐤛 (uni04C7)	1471: 𐤛 (uni05BF)
1016: 𐤎 (uni03F8)	1081: 𐤉 (uni0439)	1148: 𐤙 (uni047C)	1224: 𐤜 (uni04C8)	1472: 𐤜 (uni05C0)
1017: 𐤏 (uni03F9)	1082: 𐤊 (uni043A)	1149: 𐤚 (uni047D)	1225: 𐤛 (uni04C9)	1473: 𐤝 (uni05C1)
1019: 𐤑 (uni03FB)	1083: 𐤋 (uni043B)	1150: 𐤛 (uni047E)	1226: 𐤞 (uni04CA)	1474: 𐤞 (uni05C2)
1021: 𐤒 (uni03FD)	1084: 𐤌 (uni043C)	1151: 𐤜 (uni047F)	1227: 𐤟 (uni04CB)	1475: 𐤟 (uni05C3)
1022: 𐤓 (uni03FE)	1085: 𐤍 (uni043D)	1155: 𐤝 (uni0483)	1228: 𐤠 (uni04CC)	1478: 𐤠 (uni05C6)
1023: 𐤔 (uni03FF)	1086: 𐤎 (uni043E)	1164: 𐤟 (uni048C)	1232: 𐤡 (uni04D0)	1488: 𐤡 (uni05D0)
1024: 𐤕 (uni0400)	1087: 𐤏 (uni043F)	1165: 𐤠 (uni048D)	1233: 𐤢 (uni04D1)	1489: 𐤢 (uni05D1)
1025: 𐤖 (uni0401)	1088: 𐤐 (uni0440)	1166: 𐤡 (uni048E)	1234: 𐤢 (uni04D2)	1490: 𐤣 (uni05D2)
1026: 𐤗 (uni0402)	1089: 𐤑 (uni0441)	1167: 𐤣 (uni048F)	1235: 𐤣 (uni04D3)	1491: 𐤣 (uni05D3)
1027: 𐤘 (uni0403)	1090: 𐤒 (uni0442)	1168: 𐤤 (uni0490)	1236: 𐤥 (uni04D4)	1492: 𐤤 (uni05D4)
1028: 𐤙 (uni0404)	1091: 𐤓 (uni0443)	1169: 𐤥 (uni0491)	1237: 𐤦 (uni04D5)	1493: 𐤥 (uni05D5)
1029: 𐤚 (uni0405)	1092: 𐤔 (uni0444)	1170: 𐤦 (uni0492)	1238: 𐤧 (uni04D6)	1494: 𐤦 (uni05D6)
1030: 𐤛 (uni0406)	1093: 𐤕 (uni0445)	1171: 𐤧 (uni0493)	1239: 𐤨 (uni04D7)	1495: 𐤧 (uni05D7)
1031: 𐤜 (uni0407)	1094: 𐤖 (uni0446)	1172: 𐤨 (uni0494)	1240: 𐤩 (uni04D8)	1496: 𐤨 (uni05D8)
1032: 𐤝 (uni0408)	1095: 𐤗 (uni0447)	1173: 𐤩 (uni0495)	1241: 𐤪 (uni04D9)	1497: 𐤩 (uni05D9)
1033: 𐤞 (uni0409)	1096: 𐤘 (uni0448)	1174: 𐤪 (uni0496)	1242: 𐤫 (uni04DA)	1498: 𐤪 (uni05DA)
1034: 𐤟 (uni040A)	1097: 𐤙 (uni0449)	1175: 𐤫 (uni0497)	1243: 𐤬 (uni04DB)	1499: 𐤫 (uni05DB)
1035: 𐤠 (uni040B)	1098: 𐤚 (uni044A)	1176: 𐤬 (uni0498)	1244: 𐤭 (uni04DC)	1500: 𐤬 (uni05DC)
1036: 𐤡 (uni040C)	1099: 𐤛 (uni044B)	1177: 𐤭 (uni0499)	1245: 𐤮 (uni04DD)	1501: 𐤭 (uni05DD)
1037: 𐤢 (uni040D)	1100: 𐤜 (uni044C)	1178: 𐤮 (uni049A)	1246: 𐤯 (uni04DE)	1502: 𐤮 (uni05DE)
1038: 𐤣 (uni040E)	1101: 𐤝 (uni044D)	1179: 𐤯 (uni049B)	1247: 𐤰 (uni04DF)	1503: 𐤰 (uni05DF)
1039: 𐤤 (uni040F)	1102: 𐤞 (uni044E)	1180: 𐤰 (uni049C)	1248: 𐤱 (uni04E0)	1504: 𐤱 (uni05E0)
1040: 𐤥 (uni0410)	1103: 𐤟 (uni044F)	1181: 𐤱 (uni049D)	1249: 𐤲 (uni04E1)	1505: 𐤲 (uni05E1)
1041: 𐤦 (uni0411)	1104: 𐤠 (uni0450)	1182: 𐤲 (uni049E)	1250: 𐤳 (uni04E2)	1506: 𐤳 (uni05E2)
1042: 𐤧 (uni0412)	1105: 𐤡 (uni0451)	1183: 𐤳 (uni049F)	1251: 𐤴 (uni04E3)	1507: 𐤴 (uni05E3)
1043: 𐤨 (uni0413)	1106: 𐤢 (uni0452)	1184: 𐤴 (uni04A0)	1252: 𐤵 (uni04E4)	1508: 𐤵 (uni05E4)
1044: 𐤩 (uni0414)	1107: 𐤣 (uni0453)	1185: 𐤵 (uni04A1)	1253: 𐤶 (uni04E5)	1509: 𐤶 (uni05E5)
1045: 𐤪 (uni0415)	1108: 𐤤 (uni0454)	1186: 𐤶 (uni04A2)	1254: 𐤷 (uni04E6)	1510: 𐤷 (uni05E6)
1046: 𐤫 (uni0416)	1109: 𐤥 (uni0455)	1187: 𐤷 (uni04A3)	1255: 𐤸 (uni04E7)	1511: 𐤸 (uni05E7)
1047: 𐤬 (uni0417)	1110: 𐤦 (uni0456)	1188: 𐤸 (uni04A4)	1256: 𐤹 (uni04E8)	1512: 𐤹 (uni05E8)
1048: 𐤭 (uni0418)	1111: 𐤧 (uni0457)	1189: 𐤹 (uni04A5)	1257: 𐤺 (uni04E9)	1513: 𐤺 (uni05E9)
1049: 𐤮 (uni0419)	1112: 𐤨 (uni0458)	1190: 𐤻 (uni04A6)	1258: 𐤻 (uni04EA)	1514: 𐤻 (uni05EA)
1050: 𐤯 (uni041A)	1113: 𐤩 (uni0459)	1191: 𐤼 (uni04A7)	1259: 𐤽 (uni04EB)	1520: 𐤼 (uni05F0)
1051: 𐤰 (uni041B)	1114: 𐤪 (uni045A)	1192: 𐤿 (uni04A8)	1260: 𐾀 (uni04EC)	1521: 𐤿 (uni05F1)
1052: 𐤱 (uni041C)	1115: 𐤫 (uni045B)	1193: 𐾁 (uni04A9)	1261: 𐾂 (uni04ED)	1522: 𐾂 (uni05F2)
1053: 𐤲 (uni041D)	1116: 𐤬 (uni045C)	1194: 𐾃 (uni04AA)	1262: 𐾄 (uni04EE)	1523: 𐾄 (uni05F3)
1054: 𐤳 (uni041E)	1117: 𐤭 (uni045D)	1195: 𐾅 (uni04AB)	1263: 𐾅 (uni04EF)	1524: 𐾅 (uni05F4)
1055: 𐤴 (uni041F)	1118: 𐤮 (uni045E)	1196: 𐾇 (uni04AC)	1264: 𐾆 (uni04F0)	7445: 8 (uni1D15)
1056: 𐤵 (uni0420)	1119: 𐤯 (uni045F)	1197: 𐾈 (uni04AD)	1265: 𐾆 (uni04F1)	7477: ^I (uni1D35)
1057: 𐤶 (uni0421)	1120: 𐾉 (uni0460)	1198: 𐾉 (uni04AE)	1266: 𐾇 (uni04F2)	7491: ^a (uni1D43)
1058: 𐤷 (uni0422)	1121: 𐾊 (uni0461)	1199: 𐾊 (uni04AF)	1267: 𐾇 (uni04F3)	7492: ^e (uni1D44)
1059: 𐤸 (uni0423)	1122: 𐾋 (uni0462)	1200: 𐾋 (uni04B0)	1268: 𐾈 (uni04F4)	7493: ^a (uni1D45)
1060: 𐾀 (uni0424)	1123: 𐾋 (uni0463)	1201: 𐾌 (uni04B1)	1269: 𐾈 (uni04F5)	7494: ^æ (uni1D46)
1061: 𐾁 (uni0425)	1124: 𐾌 (uni0464)	1202: 𐾌 (uni04B2)	1270: 𐾉 (uni04F6)	7495: ^b (uni1D47)
1062: 𐾂 (uni0426)	1125: 𐾌 (uni0465)	1203: 𐾍 (uni04B3)	1271: 𐾉 (uni04F7)	7496: ^d (uni1D48)
1063: 𐾃 (uni0427)	1126: 𐾍 (uni0466)	1204: 𐾍 (uni04B4)	1272: 𐾊 (uni04F8)	7497: ^e (uni1D49)
1064: 𐾄 (uni0428)	1127: 𐾍 (uni0467)	1205: 𐾎 (uni04B5)	1273: 𐾊 (uni04F9)	7498: ^a (uni1D4A)
1065: 𐾅 (uni0429)	1128: 𐾎 (uni0468)	1206: 𐾎 (uni04B6)	1456: 𐾋 (uni05B0)	7499: ^e (uni1D4B)
1066: 𐾆 (uni042A)	1129: 𐾎 (uni0469)	1207: 𐾎 (uni04B7)	1457: 𐾋 (uni05B1)	7500: ^a (uni1D4C)
1067: 𐾇 (uni042B)	1130: 𐾏 (uni046A)	1208: 𐾏 (uni04B8)	1458: 𐾋 (uni05B2)	7501: ^g (uni1D4D)
1068: 𐾈 (uni042C)	1131: 𐾏 (uni046B)	1209: 𐾏 (uni04B9)	1459: 𐾋 (uni05B3)	7502: ⁱ (uni1D4E)
1069: 𐾉 (uni042D)	1132: 𐾏 (uni046C)	1210: 𐾐 (uni04BA)	1460: 𐾋 (uni05B4)	7503: ^k (uni1D4F)
1070: 𐾊 (uni042E)	1133: 𐾏 (uni046D)	1211: 𐾐 (uni04BB)	1461: 𐾋 (uni05B5)	7504: ^m (uni1D50)
1071: 𐾋 (uni042F)	1134: 𐾑 (uni046E)	1212: 𐾑 (uni04BC)	1462: 𐾋 (uni05B6)	7505: ^ɲ (uni1D51)
1072: 𐾌 (uni0430)	1135: 𐾑 (uni046F)	1213: 𐾑 (uni04BD)	1463: 𐾋 (uni05B7)	7506: ^o (uni1D52)

7507: \mathfrak{z} (uni1D53)	7719: \mathfrak{h} (uni1E27)	7782: \mathfrak{S} (uni1E66)	7845: \mathfrak{A} (uni1EA5)	7908: \mathfrak{U} (uni1EE4)
7508: \mathfrak{z} (uni1D54)	7720: \mathfrak{H} (uni1E28)	7783: \mathfrak{S} (uni1E67)	7846: \mathfrak{A} (uni1EA6)	7909: \mathfrak{u} (uni1EE5)
7509: \mathfrak{z} (uni1D55)	7721: \mathfrak{h} (uni1E29)	7784: \mathfrak{S} (uni1E68)	7847: \mathfrak{A} (uni1EA7)	7910: \mathfrak{U} (uni1EE6)
7510: \mathfrak{p} (uni1D56)	7722: \mathfrak{H} (uni1E2A)	7785: \mathfrak{S} (uni1E69)	7848: \mathfrak{A} (uni1EA8)	7911: \mathfrak{u} (uni1EE7)
7511: \mathfrak{t} (uni1D57)	7723: \mathfrak{h} (uni1E2B)	7786: \mathfrak{T} (uni1E6A)	7849: \mathfrak{A} (uni1EA9)	7912: \mathfrak{U} (uni1EE8)
7512: \mathfrak{u} (uni1D58)	7724: \mathfrak{I} (uni1E2C)	7787: \mathfrak{t} (uni1E6B)	7850: \mathfrak{A} (uni1EAA)	7913: \mathfrak{u} (uni1EE9)
7513: \mathfrak{z} (uni1D59)	7725: \mathfrak{i} (uni1E2D)	7788: \mathfrak{T} (uni1E6C)	7851: \mathfrak{A} (uni1EAB)	7914: \mathfrak{U} (uni1EEA)
7514: \mathfrak{w} (uni1D5A)	7726: \mathfrak{I} (uni1E2E)	7789: \mathfrak{t} (uni1E6D)	7852: \mathfrak{A} (uni1EAC)	7915: \mathfrak{u} (uni1EEB)
7515: \mathfrak{v} (uni1D5B)	7727: \mathfrak{i} (uni1E2F)	7790: \mathfrak{T} (uni1E6E)	7853: \mathfrak{A} (uni1EAD)	7916: \mathfrak{U} (uni1EEC)
7516: \mathfrak{z} (uni1D5C)	7728: \mathfrak{K} (uni1E30)	7791: \mathfrak{t} (uni1E6F)	7854: \mathfrak{A} (uni1EAE)	7917: \mathfrak{u} (uni1EED)
7517: \mathfrak{B} (uni1D5D)	7729: \mathfrak{k} (uni1E31)	7792: \mathfrak{T} (uni1E70)	7855: \mathfrak{A} (uni1EAF)	7918: \mathfrak{U} (uni1EEE)
7518: \mathfrak{y} (uni1D5E)	7730: \mathfrak{K} (uni1E32)	7793: \mathfrak{t} (uni1E71)	7856: \mathfrak{A} (uni1EB0)	7919: \mathfrak{u} (uni1EEF)
7519: \mathfrak{s} (uni1D5F)	7731: \mathfrak{k} (uni1E33)	7794: \mathfrak{U} (uni1E72)	7857: \mathfrak{A} (uni1EB1)	7920: \mathfrak{U} (uni1EF0)
7522: \mathfrak{i} (uni1D62)	7732: \mathfrak{K} (uni1E34)	7795: \mathfrak{u} (uni1E73)	7858: \mathfrak{A} (uni1EB2)	7921: \mathfrak{u} (uni1EF1)
7523: \mathfrak{r} (uni1D63)	7733: \mathfrak{k} (uni1E35)	7796: \mathfrak{U} (uni1E74)	7859: \mathfrak{A} (uni1EB3)	7922: \mathfrak{Y} (Ygrave)
7524: \mathfrak{u} (uni1D64)	7734: \mathfrak{L} (uni1E36)	7797: \mathfrak{u} (uni1E75)	7860: \mathfrak{A} (uni1EB4)	7923: \mathfrak{y} (ygrave)
7525: \mathfrak{v} (uni1D65)	7735: \mathfrak{l} (uni1E37)	7798: \mathfrak{U} (uni1E76)	7861: \mathfrak{A} (uni1EB5)	7924: \mathfrak{Y} (uni1EF4)
7526: \mathfrak{B} (uni1D66)	7736: \mathfrak{L} (uni1E38)	7799: \mathfrak{u} (uni1E77)	7862: \mathfrak{A} (uni1EB6)	7925: \mathfrak{y} (uni1EF5)
7527: \mathfrak{y} (uni1D67)	7737: \mathfrak{I} (uni1E39)	7800: \mathfrak{U} (uni1E78)	7863: \mathfrak{A} (uni1EB7)	7926: \mathfrak{Y} (uni1EF6)
7580: \mathfrak{c} (uni1D9C)	7738: \mathfrak{L} (uni1E3A)	7801: \mathfrak{u} (uni1E79)	7864: \mathfrak{E} (uni1EB8)	7927: \mathfrak{y} (uni1EF7)
7584: \mathfrak{f} (uni1DA0)	7739: \mathfrak{l} (uni1E3B)	7802: \mathfrak{U} (uni1E7A)	7865: \mathfrak{e} (uni1EB9)	7928: \mathfrak{Y} (uni1EF8)
7588: \mathfrak{i} (uni1DA4)	7740: \mathfrak{L} (uni1E3C)	7803: \mathfrak{u} (uni1E7B)	7866: \mathfrak{E} (uni1EBA)	7929: \mathfrak{y} (uni1EF9)
7606: \mathfrak{u} (uni1DB6)	7741: \mathfrak{l} (uni1E3D)	7804: \mathfrak{V} (uni1E7C)	7867: \mathfrak{e} (uni1EBB)	7930: \mathfrak{IL} (uni1EFA)
7611: \mathfrak{z} (uni1DBB)	7742: \mathfrak{M} (uni1E3E)	7805: \mathfrak{v} (uni1E7D)	7868: \mathfrak{E} (uni1EBC)	7931: \mathfrak{Il} (uni1EFB)
7680: \mathfrak{A} (uni1E00)	7743: \mathfrak{m} (uni1E3F)	7806: \mathfrak{V} (uni1E7E)	7869: \mathfrak{e} (uni1EBD)	7932: \mathfrak{O} (uni1EFC)
7681: \mathfrak{a} (uni1E01)	7744: \mathfrak{M} (uni1E40)	7807: \mathfrak{v} (uni1E7F)	7870: \mathfrak{E} (uni1EBE)	7933: \mathfrak{O} (uni1EFD)
7682: \mathfrak{B} (uni1E02)	7745: \mathfrak{m} (uni1E41)	7808: \mathfrak{W} (Wgrave)	7871: \mathfrak{E} (uni1EBF)	7934: \mathfrak{Y} (uni1EFE)
7683: \mathfrak{b} (uni1E03)	7746: \mathfrak{M} (uni1E42)	7809: \mathfrak{w} (wgrave)	7872: \mathfrak{E} (uni1EC0)	7935: \mathfrak{y} (uni1EFF)
7684: \mathfrak{B} (uni1E04)	7747: \mathfrak{m} (uni1E43)	7810: \mathfrak{W} (Wacute)	7873: \mathfrak{e} (uni1EC1)	7936: \mathfrak{O} (uni1F00)
7685: \mathfrak{b} (uni1E05)	7748: \mathfrak{N} (uni1E44)	7811: \mathfrak{w} (wacute)	7874: \mathfrak{E} (uni1EC2)	7937: \mathfrak{O} (uni1F01)
7686: \mathfrak{B} (uni1E06)	7749: \mathfrak{n} (uni1E45)	7812: \mathfrak{W} (Wdieresis)	7875: \mathfrak{E} (uni1EC3)	7938: \mathfrak{O} (uni1F02)
7687: \mathfrak{b} (uni1E07)	7750: \mathfrak{N} (uni1E46)	7813: \mathfrak{w} (wdieresis)	7876: \mathfrak{E} (uni1EC4)	7939: \mathfrak{O} (uni1F03)
7688: \mathfrak{C} (uni1E08)	7751: \mathfrak{n} (uni1E47)	7814: \mathfrak{W} (uni1E86)	7877: \mathfrak{E} (uni1EC5)	7940: \mathfrak{O} (uni1F04)
7689: \mathfrak{C} (uni1E09)	7752: \mathfrak{N} (uni1E48)	7815: \mathfrak{w} (uni1E87)	7878: \mathfrak{E} (uni1EC6)	7941: \mathfrak{O} (uni1F05)
7690: \mathfrak{D} (uni1E0A)	7753: \mathfrak{n} (uni1E49)	7816: \mathfrak{W} (uni1E88)	7879: \mathfrak{e} (uni1EC7)	7942: \mathfrak{O} (uni1F06)
7691: \mathfrak{d} (uni1E0B)	7754: \mathfrak{N} (uni1E4A)	7817: \mathfrak{w} (uni1E89)	7880: \mathfrak{I} (uni1EC8)	7943: \mathfrak{O} (uni1F07)
7692: \mathfrak{D} (uni1E0C)	7755: \mathfrak{n} (uni1E4B)	7818: \mathfrak{X} (uni1E8A)	7881: \mathfrak{i} (uni1EC9)	7944: \mathfrak{A} (uni1F08)
7693: \mathfrak{d} (uni1E0D)	7756: \mathfrak{O} (uni1E4C)	7819: \mathfrak{x} (uni1E8B)	7882: \mathfrak{I} (uni1ECA)	7945: \mathfrak{A} (uni1F09)
7694: \mathfrak{D} (uni1E0E)	7757: \mathfrak{O} (uni1E4D)	7820: \mathfrak{X} (uni1E8C)	7883: \mathfrak{i} (uni1ECB)	7946: \mathfrak{A} (uni1F0A)
7695: \mathfrak{d} (uni1E0F)	7758: \mathfrak{O} (uni1E4E)	7821: \mathfrak{x} (uni1E8D)	7884: \mathfrak{O} (uni1ECC)	7947: \mathfrak{A} (uni1F0B)
7696: \mathfrak{D} (uni1E10)	7759: \mathfrak{O} (uni1E4F)	7822: \mathfrak{Y} (uni1E8E)	7885: \mathfrak{O} (uni1ECD)	7948: \mathfrak{A} (uni1F0C)
7697: \mathfrak{d} (uni1E11)	7760: \mathfrak{O} (uni1E50)	7823: \mathfrak{y} (uni1E8F)	7886: \mathfrak{O} (uni1ECE)	7949: \mathfrak{A} (uni1F0D)
7698: \mathfrak{D} (uni1E12)	7761: \mathfrak{O} (uni1E51)	7824: \mathfrak{Z} (uni1E90)	7887: \mathfrak{O} (uni1ECF)	7950: \mathfrak{A} (uni1F0E)
7699: \mathfrak{d} (uni1E13)	7762: \mathfrak{O} (uni1E52)	7825: \mathfrak{Z} (uni1E91)	7888: \mathfrak{O} (uni1ED0)	7951: \mathfrak{A} (uni1F0F)
7700: \mathfrak{E} (uni1E14)	7763: \mathfrak{O} (uni1E53)	7826: \mathfrak{Z} (uni1E92)	7889: \mathfrak{O} (uni1ED1)	7952: \mathfrak{E} (uni1F10)
7701: \mathfrak{e} (uni1E15)	7764: \mathfrak{P} (uni1E54)	7827: \mathfrak{z} (uni1E93)	7890: \mathfrak{O} (uni1ED2)	7953: \mathfrak{E} (uni1F11)
7702: \mathfrak{E} (uni1E16)	7765: \mathfrak{p} (uni1E55)	7828: \mathfrak{Z} (uni1E94)	7891: \mathfrak{O} (uni1ED3)	7954: \mathfrak{E} (uni1F12)
7703: \mathfrak{e} (uni1E17)	7766: \mathfrak{P} (uni1E56)	7829: \mathfrak{z} (uni1E95)	7892: \mathfrak{O} (uni1ED4)	7955: \mathfrak{E} (uni1F13)
7704: \mathfrak{E} (uni1E18)	7767: \mathfrak{p} (uni1E57)	7830: \mathfrak{h} (uni1E96)	7893: \mathfrak{O} (uni1ED5)	7956: \mathfrak{E} (uni1F14)
7705: \mathfrak{e} (uni1E19)	7768: \mathfrak{R} (uni1E58)	7831: \mathfrak{h} (uni1E97)	7894: \mathfrak{O} (uni1ED6)	7957: \mathfrak{E} (uni1F15)
7706: \mathfrak{E} (uni1E1A)	7769: \mathfrak{r} (uni1E59)	7832: \mathfrak{w} (uni1E98)	7895: \mathfrak{O} (uni1ED7)	7960: \mathfrak{E} (uni1F18)
7707: \mathfrak{e} (uni1E1B)	7770: \mathfrak{R} (uni1E5A)	7833: \mathfrak{y} (uni1E99)	7896: \mathfrak{O} (uni1ED8)	7961: \mathfrak{E} (uni1F19)
7708: \mathfrak{E} (uni1E1C)	7771: \mathfrak{r} (uni1E5B)	7834: \mathfrak{a} (uni1E9A)	7897: \mathfrak{O} (uni1ED9)	7962: \mathfrak{E} (uni1F1A)
7709: \mathfrak{E} (uni1E1D)	7772: \mathfrak{R} (uni1E5C)	7835: \mathfrak{f} (uni1E9B)	7898: \mathfrak{O} (uni1EDA)	7963: \mathfrak{E} (uni1F1B)
7710: \mathfrak{F} (uni1E1E)	7773: \mathfrak{r} (uni1E5D)	7836: \mathfrak{f} (uni1E9C)	7899: \mathfrak{O} (uni1EDB)	7964: \mathfrak{E} (uni1F1C)
7711: \mathfrak{f} (uni1E1F)	7774: \mathfrak{R} (uni1E5E)	7837: \mathfrak{f} (uni1E9D)	7900: \mathfrak{O} (uni1EDC)	7965: \mathfrak{E} (uni1F1D)
7712: \mathfrak{G} (uni1E20)	7775: \mathfrak{r} (uni1E5F)	7838: \mathfrak{B} (Germandbls)	7901: \mathfrak{O} (uni1EDD)	7968: \mathfrak{H} (uni1F20)
7713: \mathfrak{g} (uni1E21)	7776: \mathfrak{S} (uni1E60)	7839: \mathfrak{B} (uni1E9F)	7902: \mathfrak{O} (uni1EDE)	7969: \mathfrak{H} (uni1F21)
7714: \mathfrak{H} (uni1E22)	7777: \mathfrak{s} (uni1E61)	7840: \mathfrak{A} (uni1EA0)	7903: \mathfrak{O} (uni1EDF)	7970: \mathfrak{H} (uni1F22)
7715: \mathfrak{h} (uni1E23)	7778: \mathfrak{S} (uni1E62)	7841: \mathfrak{a} (uni1EA1)	7904: \mathfrak{O} (uni1EE0)	7971: \mathfrak{H} (uni1F23)
7716: \mathfrak{H} (uni1E24)	7779: \mathfrak{s} (uni1E63)	7842: \mathfrak{A} (uni1EA2)	7905: \mathfrak{O} (uni1EE1)	7972: \mathfrak{H} (uni1F24)
7717: \mathfrak{h} (uni1E25)	7780: \mathfrak{S} (uni1E64)	7843: \mathfrak{a} (uni1EA3)	7906: \mathfrak{O} (uni1EE2)	7973: \mathfrak{H} (uni1F25)
7718: \mathfrak{H} (uni1E26)	7781: \mathfrak{S} (uni1E65)	7844: \mathfrak{A} (uni1EA4)	7907: \mathfrak{O} (uni1EE3)	7974: \mathfrak{H} (uni1F26)

27





































8449: ‰ (uni2101)
 8450: ℄ (uni2102)
 8451: °C (uni2103)
 8453: ‰ (uni2105)
 8454: ‰ (uni2106)
 8457: °F (uni2109)
 8460: ℳ (uni210C)
 8461: H (uni210D)
 8462: h (uni210E)
 8463: ℎ (uni210F)
 8465: ℑ (Ifaktur)
 8467: ℓ (uni2113)
 8469: N (uni2115)
 8470: N° (uni2116)
 8473: P (uni2119)
 8474: Q (uni211A)
 8476: ℜ (Rfraktur)
 8477: R (uni211D)
 8480: SM (uni2120)
 8482: TM (trademark)
 8484: Z (uni2124)
 8486: Ω (uni2126)
 8487: U (uni2127)
 8494: e (estimated)
 8498: ℑ (uni2132)
 8501: ℵ (aleph)
 8502: ℵ (uni2136)
 8503: ℵ (uni2137)
 8504: ℵ (uni2138)
 8505: i (uni2139)
 8527: ⅔ (uni214F)
 8531: $\frac{1}{3}$ (onethird)
 8532: $\frac{2}{3}$ (twothirds)
 8533: $\frac{1}{2}$ (uni2155)
 8534: $\frac{2}{5}$ (uni2156)
 8535: $\frac{2}{5}$ (uni2157)
 8536: $\frac{2}{5}$ (uni2158)
 8537: $\frac{1}{6}$ (uni2159)
 8538: $\frac{5}{6}$ (uni215A)
 8539: $\frac{1}{8}$ (oneeighth)
 8540: $\frac{3}{8}$ (threeeighths)
 8541: $\frac{5}{8}$ (fiveeighths)
 8542: $\frac{7}{8}$ (seveneighths)
 8543: $\frac{1}{2}$ (uni215F)
 8544: I (uni2160)
 8545: II (uni2161)
 8546: III (uni2162)
 8547: IV (uni2163)
 8548: V (uni2164)
 8549: VI (uni2165)
 8550: VII (uni2166)
 8551: VIII (uni2167)
 8552: IX (uni2168)
 8553: X (uni2169)
 8554: XI (uni216A)
 8555: XII (uni216B)
 8556: L (uni216C)
 8557: C (uni216D)
 8558: D (uni216E)
 8559: M (uni216F)
 8560: i (uni2170)
 8561: ii (uni2171)
 8562: iii (uni2172)





































8563: iv (uni2173)
 8564: v (uni2174)
 8565: vi (uni2175)
 8566: vii (uni2176)
 8567: viii (uni2177)
 8568: ix (uni2178)
 8569: x (uni2179)
 8570: xi (uni217A)
 8571: xii (uni217B)
 8572: l (uni217C)
 8573: c (uni217D)
 8574: d (uni217E)
 8575: m (uni217F)
 8576: CD (uni2180)
 8577: D (uni2181)
 8578: CD (uni2182)
 8579: O (uni2183)
 8580: O (uni2184)
 8592: \leftarrow (arrowleft)
 8593: \uparrow (arrowup)
 8594: \rightarrow (arrowright)
 8595: \downarrow (arrowdown)
 8596: \leftrightarrow (arrowboth)
 8597: \updownarrow (arrowupdn)
 8598: \nwarrow (uni2196)
 8599: \nearrow (uni2197)
 8600: \searrow (uni2198)
 8601: \swarrow (uni2199)
 8602: \nleftarrow (uni219A)
 8603: \nrightarrow (uni219B)
 8614: \mapsto (uni21A6)
 8616: \Downarrow (arrowupdnbse)
 8622: \leftrightarrow (uni21AE)
 8636: \leftarrow (uni21BC)
 8637: \leftarrow (uni21BD)
 8640: \rightarrow (uni21C0)
 8641: \rightarrow (uni21C1)
 8651: \rightleftharpoons (uni21CB)
 8652: \rightleftharpoons (uni21CC)
 8653: \nrightarrow (uni21CD)
 8654: \nrightarrow (uni21CE)
 8655: \nrightarrow (uni21CF)
 8656: \leftleftarrows (arrowdblleft)
 8657: \Uparrow (arrowdblup)
 8658: \Rightarrow (arrowdblright)
 8659: \Downarrow (arrowdbldown)
 8660: \Leftrightarrow (arrowdblboth)
 8661: \Updownarrow (uni21D5)
 8662: \searrow (uni21D6)
 8663: \nearrow (uni21D7)
 8664: \searrow (uni21D8)
 8665: \swarrow (uni21D9)
 8704: \forall (universal)
 8705: \mathbb{C} (uni2201)
 8706: ∂ (partialdiff)
 8707: \exists (existential)
 8708: \exists (uni2204)
 8709: \emptyset (emptyset)
 8710: Δ (uni2206)
 8711: ∇ (gradient)
 8712: \in (element)
 8713: \notin (notelement)
 8714: \in (uni220A)





































8715: \ni (suchthat)
 8716: \ni (uni220C)
 8717: \ni (uni220D)
 8719: \prod (product)
 8720: \prod (uni2210)
 8721: Σ (summation)
 8722: $-$ (minus)
 8723: \mp (uni2213)
 8724: $+$ (uni2214)
 8725: $/$ (uni2215)
 8726: \backslash (uni2216)
 8727: $*$ (asteriskmath)
 8728: \circ (uni2218)
 8729: \cdot (uni2219)
 8730: $\sqrt{}$ (radical)
 8731: $\sqrt[3]{}$ (uni221B)
 8732: $\sqrt[4]{}$ (uni221C)
 8733: \propto (proportional)
 8734: ∞ (infinity)
 8735: \perp (orthogonal)
 8736: \angle (angle)
 8737: \angle (uni2221)
 8738: \angle (uni2222)
 8739: $|$ (uni2223)
 8740: $\{$ (uni2224)
 8741: $\|$ (uni2225)
 8742: $\|$ (uni2226)
 8743: \wedge (logicaland)
 8744: \vee (logicalor)
 8745: \cap (intersection)
 8746: \cup (union)
 8747: \int (integral)
 8748: \iint (uni222C)
 8749: \iiint (uni222D)
 8750: \oint (uni222E)
 8758: $:$ (uni2236)
 8764: \sim (similar)
 8769: \neq (uni2241)
 8773: \equiv (congruent)
 8776: \approx (approxequal)
 8777: \neq (uni2249)
 8793: \triangleq (uni2259)
 8800: \neq (notequal)
 8801: \equiv (equivalence)
 8802: \neq (uni2262)
 8804: \leq (lessequal)
 8805: \geq (greaterequal)
 8810: \ll (uni226A)
 8811: \gg (uni226B)
 8814: \neq (uni226E)
 8815: \neq (uni226F)
 8816: \neq (uni2270)
 8817: \neq (uni2271)
 8834: \subset (probersubset)
 8835: \supset (probersuperset)
 8836: $\not\subset$ (notsubset)
 8837: \neq (uni2285)
 8853: \oplus (circleplus)
 8854: \ominus (uni2296)
 8855: \otimes (circlemultiply)
 8856: \oslash (uni2298)
 8866: \vdash (uni22A2)
 8867: \neg (uni22A3)





































8868: \top (uni22A4)
 8869: \perp (uni22A5)
 8870: \vdash (uni22A6)
 8886: \Leftrightarrow (uni22B6)
 8887: \Leftrightarrow (uni22B7)
 8901: \cdot (dotmath)
 8942: \vdots (uni22EE)
 8943: \cdots (uni22EF)
 8960: \emptyset (uni2300)
 8962: \square (house)
 8963: \wedge (uni2303)
 8976: \neg (revlogicalnot)
 8992: \int (integralp)
 8993: \int (integralbt)
 8998: \boxtimes (uni2326)
 8999: \boxtimes (uni2327)
 9001: \langle (angleleft)
 9002: \rangle (angleright)
 9003: \boxtimes (uni232B)
 9085: \int (uni237D)
 9088: \oint (uni2380)
 9115: \int (uni239B)
 9116: $|$ (uni239C)
 9117: $|$ (uni239D)
 9118: $|$ (uni239E)
 9119: $|$ (uni239F)
 9120: \int (uni23A0)
 9121: \int (uni23A1)
 9122: $|$ (uni23A2)
 9123: $|$ (uni23A3)
 9124: $|$ (uni23A4)
 9125: $|$ (uni23A5)
 9126: $|$ (uni23A6)
 9127: r (uni23A7)
 9128: $\{$ (uni23A8)
 9129: c (uni23A9)
 9130: i (uni23AA)
 9131: n (uni23AB)
 9132: $\{$ (uni23AC)
 9133: J (uni23AD)
 9134: i (uni23AE)
 9171: \asymp (uni23D3)
 9251: \int (uni2423)
 9312: ① (uni2460)
 9313: ② (uni2461)
 9314: ③ (uni2462)
 9315: ④ (uni2463)
 9316: ⑤ (uni2464)
 9317: ⑥ (uni2465)
 9318: ⑦ (uni2466)
 9319: ⑧ (uni2467)
 9320: ⑨ (uni2468)
 9321: ⑩ (uni2469)
 9322: ⑪ (uni246A)
 9323: ⑫ (uni246B)
 9324: ⑬ (uni246C)
 9325: ⑭ (uni246D)
 9326: ⑮ (uni246E)
 9327: ⑯ (uni246F)
 9328: ⑰ (uni2470)
 9329: ⑱ (uni2471)
 9330: ⑲ (uni2472)
 9331: ㉔ (uni2473)




































9332: ① (uni2474)
 9333: ② (uni2475)
 9334: ③ (uni2476)
 9335: ④ (uni2477)
 9336: ⑤ (uni2478)
 9337: ⑥ (uni2479)
 9338: ⑦ (uni247A)
 9339: ⑧ (uni247B)
 9340: ⑨ (uni247C)
 9341: ⑩ (uni247D)
 9342: ⑪ (uni247E)
 9343: ⑫ (uni247F)
 9344: ⑬ (uni2480)
 9345: ⑭ (uni2481)
 9346: ⑮ (uni2482)
 9347: ⑯ (uni2483)
 9348: ⑰ (uni2484)
 9349: ⑱ (uni2485)
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