

# The T<sub>E</sub>X Gyre Pagella OpenType font

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## 1 The default setting

The L<sup>A</sup>T<sub>E</sub>X package `pagella-otf` supports the following OpenType fonts:

```
texgyrepagella-regular.otf
texgyrepagella-bold.otf
texgyrepagella-italic.otf
texgyrepagella-bolditalic.otf
texgyrepagella-math.otf
```

The fonts are free available and part of any T<sub>E</sub>X-distribution.

```
\setmainfont{texgyrepagella}[
  RawFeature      = {\pagella@figurealign;\pagella@figurestyle},
  Scale           = \pagellaRM@scale ,
  UprightFont     = *-regular,
  ItalicFont      = *-italic,
  ItalicFeatures  = { SmallCapsFont = *-italic },
  SlantedFont     = *-regular,
  SlantedFeatures = {FakeSlant=0.2},
  BoldFont        = *-bold,
  BoldFeatures    = { SmallCapsFont = *-Bold },
  BoldItalicFont  = *-bolditalic,
  BoldItalicFeatures = { SmallCapsFont = *-bolditalic },
  BoldSlantedFont = *-bold,
  BoldSlantedFeatures = {FakeSlant=0.2, SmallCapsFont = *-bold },
  SmallCapsFont   = *-regular,
% SmallCapsFeatures={RawFeature+=smcp},
SmallCapsFeatures={Letters=SmallCaps},
  Extension       = .otf
]

\newfontfamily\pagellaOsF{texgyrepagella}[
  RawFeature      = {+onum},
  Scale           = \pagellaRM@scale ,
  UprightFont     = *-regular,
  ItalicFont      = *-italic,
  ItalicFeatures  = { SmallCapsFont = *-italic },
```

```

SlantedFont      = *-regular,
SlantedFeatures= {FakeSlant=0.2},
BoldFont         = *-bold,
BoldFeatures     = { SmallCapsFont = *-Bold },
BoldItalicFont   = *-bolditalic,
BoldItalicFeatures = { SmallCapsFont = *-bolditalic },
BoldSlantedFont= *-bold,
BoldSlantedFeatures= {FakeSlant=0.2, SmallCapsFont = *-bold },
SmallCapsFont    = *-regular,
% SmallCapsFeatures={RawFeature+=smcp},
SmallCapsFeatures={Letters=SmallCaps},
Extension        = .otf
]

\newfontfamily\pagellaTLF{texgyrepagella}[
  RawFeature      = {+tnum;-onum},
  Scale           = \pagellaRM@scale ,
  UprightFont     = *-regular,
  ItalicFont      = *-italic,
  ItalicFeatures  = { SmallCapsFont = *-italic },
  SlantedFont     = *-regular,
  SlantedFeatures= {FakeSlant=0.2},
  BoldFont        = *-bold,
  BoldFeatures    = { SmallCapsFont = *-Bold },
  BoldItalicFont  = *-bolditalic,
  BoldItalicFeatures = { SmallCapsFont = *-bolditalic },
  BoldSlantedFont= *-bold,
  BoldSlantedFeatures= {FakeSlant=0.2, SmallCapsFont = *-bold },
  SmallCapsFont   = *-regular,
% SmallCapsFeatures={RawFeature+=smcp},
SmallCapsFeatures={Letters=SmallCaps},
Extension        = .otf
]

```

## 2 The serif font

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 jastrzęb 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 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 jastrzęb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żyt maja Wiec. Nię Taka Albo tace Usta pęk ucha.**

bfseries  
upright

*Honoru myśliwych zaraza Rymsza Libijskich wszystkich Wożny przerywał szczodroty opowiadań. Ce-*

mdseries  
itshape

sarskich znaczy rączy muchom malarstwie spisem różowemi zacnie urządzał. Nasze Praga stare żeś Żyje cnoty Tabor. Mówcy pokój Również śmielój 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.

**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 jastrzęb słowo zabawy odjechał życie. Dano ojcu Wyprowadzają kuca dramatycznych myśliwskim bór pęk żył maja Wiec. Nię Taka Albo tace Usta pęk ucha.**

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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 śmielój 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.**

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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 MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

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scshape

**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 MYŚLIWSKIEM 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 MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries  
itshape  
scshape

**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 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 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 MYŚLIWSKIEM BÓR PĘK ŻYT MAJA WIEC. NIĘ TAKA ALBO TACE USTA PĘK UCHA.

mdseries  
slshape  
scshape

*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 ŚMIELEJ 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  
slshape  
scspape

### 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)
ScaleRM	scaling for the serif font, preset to 1
defaultfeatures	presetting of features only for rmfamily

Pagella-1.tex

```
\usepackage[osf]{pagella-otf}
```

```
0000111122223333444455556666777788889999\par abcdefghijklmn
```

```
0000111122223333444455556666777788889999
abcdefghijklmn
```

Pagella-2.tex

```
\usepackage[lining]{pagella-otf}
```

```
0000111122223333444455556666777788889999\par abcdefghijklmn
```

```
0000111122223333444455556666777788889999
abcdefghijklmn
```

Pagella-3.tex

```
\usepackage[t=false]{pagella-otf}
```

```
0000111122223333444455556666777788889999\par
\addfontfeatures{RawFeature+=tnum}%L
0000111122223333444455556666777788889999
```

```
0000111122223333444455556666777788889999
0000111122223333444455556666777788889999
```

Pagella-4.tex

```
\usepackage[p]{pagella-otf}
```

```
0000111122223333444455556666777788889999\par
\addfontfeatures{RawFeature=-pnum}%
0000111122223333444455556666777788889999
```

0000111122223333444455556666777788889999
0000111122223333444455556666777788889999

## 4 Features

```
bash-3.2$ otffinfo --features texgyrepagella-regular.otf
aalt      Access All Alternates
c2sc      Small Capitals From Capitals
ccmp      Glyph Composition/Decomposition
cspc      Capital Spacing
dlig      Discretionary Ligatures
frac      Fractions
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
size      Optical Size
smcp      Small Capitals
ss01      Stylistic Set 1
ss02      Stylistic Set 2
ss03      Stylistic Set 3
ss04      Stylistic Set 4
ss10      Stylistic Set 10
tnum      Tabular Figures
zero      Slashed Zero
```

### 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{pagella-otf}
\usepackage{xcolor}
```

```
Pagella Font ŒŰÉÁÄ \Lctosc{Pagella Font ŒŰÉÁÄ}\
\LctoSC+ Pagella Font ŒŰÉÁÄ
```

Pagella Font ŒŰÉÁÄ pagella font ŒŰÉÁÄ pagella font ŒŰÉÁÄ
---

Pagella-5.tex

### 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.

Pagella-6.tex

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

```
Pagella Font ŒŒÄÄ \Lctosmcp{Pagella Font ŒŒÄÄ}\
\LCtoSMCP+ Pagella Font ŒŒÄÄ
```

Pagella Font ŒŒÄÄ PAGELLA FONT ŒŒÄÄ  
PAGELLA FONT ŒŒÄÄ

### 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.

Pagella-7.tex

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

```
ff, fi, ffi, fl
```

```
\LLIGA- ff, fi, ffi, fl
```

ff, fi, ffi, fl  
ff, fi, ffi, fl

### 4.4 Capital spacing, uppercase kerning

Pagella-8.tex

```
\usepackage{pagella-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.}}
```

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.

### 4.5 Stylistic Alternates

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

Pagella-9.tex

```
\usepackage{pagella-otf}
```

$\theta\kappa\varphi$   $\quad \backslash\mathrm{salt}\{\theta\kappa\varphi\}$   $\quad \backslash\mathrm{SALT+}$   $\theta\kappa\varphi$   $\quad \backslash\mathrm{SALT-}$   $\theta\kappa\varphi$

$\theta\kappa\varphi$     $\vartheta\kappa\varphi$     $\vartheta\kappa\varphi$     $\theta\kappa\varphi$

## 4.6 Stylistic Sets

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

$\backslash\mathrm{usepackage}\{\mathrm{pagella-otf}\}$

$\epsilon\mu\varphi\pi\rho\theta\ \bar{\iota}\bar{\iota}@{\mathbb{C}}/{\mathbb{Q}}\ \square\ \$\rightarrow\ \$\backslash\mathrm{Lss01}\{\epsilon\mu\varphi\pi\rho\theta\ \bar{\iota}\bar{\iota}@{\mathbb{C}}/{\mathbb{Q}}\ \square\}\backslash\mathrm{par}$   
 $@{\mathbb{C}}/{\mathbb{Q}}\ \$\rightarrow\ \$\backslash\mathrm{Lss02}\{@{\mathbb{C}}/{\mathbb{Q}}\}\backslash\mathrm{par}$   
 $\epsilon\mu\varphi\pi\rho\theta\ \$\rightarrow\ \$\backslash\mathrm{Lss03}\{\epsilon\mu\varphi\pi\rho\theta\}\backslash\mathrm{par}$   
 $\bar{\iota}\bar{\iota}\square\ \$\rightarrow\ \$\backslash\mathrm{Lss04}\{\bar{\iota}\bar{\iota}\square\}\backslash\mathrm{par}$

$\epsilon\mu\varphi\pi\rho\theta\ \bar{\iota}\bar{\iota}@{\mathbb{C}}/{\mathbb{Q}}\rightarrow\epsilon\mu\varphi\omega\rho\vartheta\ \bar{\iota}\bar{\iota}@/{\mathbb{Q}}^*$   
 $@{\mathbb{C}}/{\mathbb{Q}}\rightarrow@/{\mathbb{Q}}^*$   
 $\epsilon\mu\varphi\pi\rho\theta\rightarrow\epsilon\mu\varphi\omega\rho\vartheta$   
 $\bar{\iota}\bar{\iota}\rightarrow\bar{\iota}\bar{\iota}$

For a global change of the stylistic set one can use the command  $\backslash\mathrm{LSSxx}$ , where  $xx$  is again the number of the set.

$\backslash\mathrm{usepackage}\{\mathrm{pagella-otf}\}$

$\epsilon\mu\varphi\pi\rho\theta\ \bar{\iota}\bar{\iota}@{\mathbb{C}}/{\mathbb{Q}}\ \square\ \$\rightarrow\ \$\backslash\mathrm{LSS01}\ \epsilon\mu\varphi\pi\rho\theta\ \bar{\iota}\bar{\iota}@{\mathbb{C}}/{\mathbb{Q}}\ \square$

$\epsilon\mu\varphi\pi\rho\theta\ \bar{\iota}\bar{\iota}@{\mathbb{C}}/{\mathbb{Q}}\rightarrow\epsilon\mu\varphi\omega\rho\vartheta\ \bar{\iota}\bar{\iota}@/{\mathbb{Q}}^*$

$\backslash\mathrm{usepackage}\{\mathrm{pagella-otf}\}$

$@{\mathbb{C}}/{\mathbb{Q}}\ \$\rightarrow\ \$\backslash\mathrm{LSS02}\ @{\mathbb{C}}/{\mathbb{Q}}$

$@{\mathbb{C}}/{\mathbb{Q}}\rightarrow@/{\mathbb{Q}}^*$

$\backslash\mathrm{usepackage}\{\mathrm{pagella-otf}\}$

$\backslash\mathrm{LARGE}$   
 $\approx^*\backslash\mathrm{string}\backslash\backslash\mathrm{string}\{\backslash\mathrm{string}\}[\ ]\square\div=\neq>\geq<\leq\neg\pm\times()+\square/\square\leq\times\backslash\mathrm{par}$   
 $\{\backslash\mathrm{LSS10}\ \approx^*\backslash\mathrm{string}\backslash\backslash\mathrm{string}\{\backslash\mathrm{string}\}[\ ]\square\div=\neq>\geq<\leq\neg\pm\times()+\square/\square\leq\times\}\backslash\mathrm{par}$   
 $\approx^*\backslash\mathrm{string}\backslash\backslash\mathrm{string}\{\backslash\mathrm{string}\}$

$\approx^*\backslash\mathrm{string}\backslash\backslash\mathrm{string}\{\backslash\mathrm{string}\}[\ ]\square\div=\neq>\geq<\leq\neg\pm\times()+\square/\square\leq\times$   
 $\approx^*\backslash\mathrm{string}\backslash\backslash\mathrm{string}\{\backslash\mathrm{string}\}[\ ]\square\div=\neq>\geq<\leq\neg\pm\times()+\square/\square\leq\times$   
 $\approx^*\backslash\mathrm{string}\backslash\backslash\mathrm{string}\{\backslash\mathrm{string}\}$

## 5 Font commands

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

`\Pagella0sF` (Old style proportional figures)

```
\usepackage{pagella-otf}
```

The default 0123456 {\bfseries standard bold} \pagella0sF normal weight 0123456

The default 0123456 **standard bold** normal weight 0123456

## 6 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  $\gamma$  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).

AΛΔVBCDΣΕFΓGHIJKLMNOPΘΩΡΦΠΞQRSTUVWXYΨΖ ABCDabcd1234

aabβcδdδeεefζζgγhñiijkllλmnηθθoσςφφϖpprqrstττπυμνςωω

$xyz^\infty \propto \emptyset y = f(x)$

$$\Sigma \int \Pi \prod \int \Sigma \sum_a^b \int_a^b \Pi_a^b \sum_a^b \int_a^b \prod_a^b$$

AΛΔVBCDΣΕFΓGHIJKLMNOPΘΩΡΦΠΞQRSTUVWXYΨΖ ABCDabcd1234

aabβcδdδeεefζζgγhñiijkllλmnηθθoσςφφϖpprqrstττπυμνςωω

$xyz^\infty \propto \emptyset y = f(x)$

$$\Sigma \int \Pi \prod \int \Sigma \sum_a^b \int_a^b \Pi_a^b \sum_a^b \int_a^b \prod_a^b$$

There exists an optional argument `math` for setting features only for the math font, for example `+aalt` for slightly wider characters:

```
\usepackage{pagella-otf}
```

```
$\alpha\beta\gamma\delta\Delta\epsilon\varepsilon\zeta\eta\theta\vartheta\iota\kappa\lambda\Lambda\mu\nu\xi\Xi\pi\Pi\varpi\rho\varrho\sigma\Sigma\varsigma\tau\tau\upsilon\Upsilon\phi\Phi\varphi\chi\psi\Psi\omega\Omega$
```

```
{\setmathfont[Script=Math,RawFeature=+aalt]{texgyrepagella-math.otf}
```

```
$\alpha\beta\gamma\delta\Delta\epsilon\varepsilon\zeta\eta\theta\vartheta\iota\kappa\lambda\Lambda\mu\nu\xi\Xi\pi\Pi\varpi\rho\varrho\sigma\Sigma\varsigma\tau\tau\upsilon\Upsilon\phi\Phi\varphi\chi\psi\Psi\omega\Omega$
```



```
\Omega$
}
```

```
αβγδΔεεζηθΘθικλΛμνξΞπΠωρρσΣςτνΥφΦφχψΨωΩ
αβγδΔεεζηθΘθικλΛμνξΞπΠωρρσΣςτνΥφΦφχψΨωΩ
```

```
\usepackage[math=+aalt]{pagella-otf}
```

```
With math=+aalt: $\int_1^\infty \frac{1}{x^2} \mathrm{d} x = 1$
\[ \int_1^\infty \frac{1}{x^2} \mathrm{d} x = 1 \]
\[ \int_1^\infty \frac{1}{x^2} \mathrm{d} x = 1 \]
```

With math=+aalt:  $\int_1^\infty \frac{1}{x^2} \mathrm{d} x = 1$

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

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

## 7 The font list of Pagella

-1: (.notdef)	-1: (icircumflex.sc)	-1: (adieresis.sc)	-1: (registered.alt)	-1: (rdblgrave.sc)
-1: (gacute.sc)	-1: (idblgrave.sc)	-1: (adotbelow.sc)	-1: (ygrave.sc)	-1: (rdotaccent.sc)
-1: (gbreve.sc)	-1: (ibreve.sc)	-1: (adblgrave.sc)	-1: (ytildesc)	-1: (oslashacute.sc)
-1: (gcaron.sc)	-1: (iacute.sc)	-1: (acircumflextilde.sc)	-1: (zdotbelow.sc)	-1: (rcommaaccent.sc)
-1: (eturned.sc)	-1: (iogonekacute.sc)	-1: (Aogonekacute)	-1: (copyleft)	-1: (racute.sc)
-1: (ereversed.sc)	-1: (iogonekacute)	-1: (aogonekacute.sc)	-1: (yhookabove.sc)	-1: (rcaron.sc)
-1: (etilde.sc)	-1: (imacron.alt)	-1: (cacute.sc)	-1: (zdotaccent.sc)	-1: (perthousandzero)
-1: (eogonekacute.sc)	-1: (idieresis.sc)	-1: (ccaron.sc)	-1: (zacute.sc)	-1: (rdotbelow.sc)
-1: (eogonekacute)	-1: (idotaccent.sc)	-1: (aogonekacute)	-1: (zcaron.sc)	-1: (ohornacute.sc)
-1: (gcircumflex.sc)	-1: (i_j.sc)	-1: (atilde.sc)	-1: (wacute.sc)	-1: (ograve.sc)
-1: (gdotaccent.sc)	-1: (imacron.sc)	-1: (aring.sc)	-1: (four.oldstyle)	-1: (obreve.sc)
-1: (hdieresis.sc)	-1: (idieresisacute.sc)	-1: (aringacute.sc)	-1: (six.oldstyle)	-1: (ocaron.sc)
-1: (hdotbelow.sc)	-1: (ihookabove.sc)	-1: (uni0307.cap)	-1: (slash.mt)	-1: (ocircumflex.sc)
-1: (gcommaaccent.sc)	-1: (idotbelow.sc)	-1: (acircumflexhookabove.sc)	-1: (backslash.mt)	-1: (oacute.sc)
-1: (hcircumflex.sc)	-1: (igrave.sc)	-1: (acircumflexdotbelow.sc)	-1: (bar.mt)	-1: (ndotbelow.sc)
-1: (germandbls.sc)	-1: (mdotbelow.sc)	-1: (uni0303.cap)	-1: (multiply.mt)	-1: (ntilde.sc)
-1: (hbrevebelow.sc)	-1: (dcaron.sc)	-1: (aacute.sc)	-1: (minusplus.mt)	-1: (ndotaccent.sc)
-1: (S_S)	-1: (ccircumflex.sc)	-1: (abreve.sc)	-1: (divide.mt)	-1: (ohookabove.sc)
-1: (H_uni0303)	-1: (cent.oldstyle)	-1: (uni030A.cap)	-1: (plusminus.mt)	-1: (ocircumflexacute.sc)
-1: (Eogonekacute)	-1: (leaf)	-1: (uni030B.cap)	-1: (plus.mt)	-1: (ocircumflexgrave.sc)
-1: (ehookabove.sc)	-1: (hbar.sc)	-1: (uni0304.cap)	-1: (dblverticalbar.mt)	-1: (odieresis.sc)
-1: (ecircumflex.sc)	-1: (dollar.oldstyle)	-1: (uni0309.cap)	-1: (equal.mt)	-1: (odotbelow.sc)
-1: (ecircumflexacute.sc)	-1: (died)	-1: (acircumflexgrave.sc)	-1: (greaterequal.mt)	-1: (ocircumflexdotbelow.sc)
-1: (ecircumflexdotbelow.sc)	-1: (emdash.alt)	-1: (abreveacute.sc)	-1: (uni2A7D.mt)	-1: (odblgrave.sc)
-1: (ecaron.sc)	-1: (oslash.sc)	-1: (abrevegrave.sc)	-1: (logicalnot.mt)	-1: (ocircumflexhookabove.sc)
-1: (eacute.sc)	-1: (eth.sc)	-1: (acircumflex.sc)	-1: (lessequal.mt)	-1: (ocircumflextilde.sc)
-1: (ebreve.sc)	-1: (macron.alt)	-1: (acircumflexacute.sc)	-1: (less.mt)	-1: (uring.sc)
-1: (dlinebelow.sc)	-1: (uni0301.cap)	-1: (abrevedotbelow.sc)	-1: (greater.mt)	-1: (rdotbelowmacron.sc)
-1: (emacron.sc)	-1: (commaaccentcomb.trn)	-1: (acaron.sc)	-1: (notequal.mt)	-1: (scaron.sc)
-1: (ecircumflexgrave.sc)	-1: (commaaccentcomb.crn)	-1: (abrevehookabove.sc)	-1: (five.oldstyle)	-1: (udieresiscaron.sc)
-1: (ecircumflextilde.sc)	-1: (asciitilde.low)	-1: (abrevetilde.sc)	-1: (minus.mt)	-1: (udieresisgrave.sc)
-1: (edotbelow.sc)	-1: (uni0302.cap)	-1: (p.sc)	-1: (bracketleft.mt)	-1: (udotbelow.sc)
-1: (egrave.sc)	-1: (uni0311.cap)	-1: (nacute.sc)	-1: (Orogate)	-1: (udieresisacute.sc)
-1: (ecircumflexhookabove.sc)	-1: (uni030C.cap)	-1: (ncommaaccent.sc)	-1: (orogate)	-1: (udblgrave.sc)
-1: (edotaccent.sc)	-1: (uni0306.cap)	-1: (one.prop)	-1: (orogate.sc)	-1: (udieresis.sc)
-1: (edblgrave.sc)	-1: (uni030F.cap)	-1: (two.prop)	-1: (zero.slash)	-1: (ucircumflex.sc)
-1: (edieresis.sc)	-1: (thorn.sc)	-1: (three.prop)	-1: (eight.oldstyle)	-1: (ucaron.sc)
-1: (ddotbelow.sc)	-1: (ae.sc)	-1: (zero.prop)	-1: (nine.oldstyle)	-1: (ugrave.sc)
-1: (h_uni0303)	-1: (t.sc)	-1: (tieaccentlowercase.new)	-1: (seven.oldstyle)	-1: (uhornacute.sc)
-1: (Iogonekacute)	-1: (tcedilla.sc)	-1: (hyphen.prop)	-1: (bracketright.mt)	-1: (uhorntilde.sc)
-1: (jcaron.sc)	-1: (u.sc)	-1: (tieaccentcapital.new)	-1: (hyphen.alt)	-1: (uhungarumlaut.sc)
-1: (jcircumflex.sc)	-1: (scedilla.sc)	-1: (tieaccentcapital)	-1: (dcroat.sc)	-1: (uhookabove.sc)
-1: (kcommaaccent.sc)	-1: (r.sc)	-1: (four.prop)	-1: (braceleft.mt)	-1: (uhornhookabove.sc)
-1: (J_uni030C)	-1: (s.sc)	-1: (six.prop)	-1: (braceright.mt)	-1: (uhorndotbelow.sc)
-1: (jacute)	-1: (q.sc)	-1: (one.oldstyle)	-1: (hyphendbl.alt)	-1: (uhorngrave.sc)
-1: (jacute.sc)	-1: (oe.sc)	-1: (two.oldstyle)	-1: (parenright.mt)	-1: (sacute.sc)
-1: (Jacute)	-1: (uogonek.sc)	-1: (five.prop)	-1: (fraction.alt)	-1: (ubrevebelowinverted.sc)
-1: (itilde.sc)	-1: (w.sc)	-1: (zero.oldstyle)	-1: (parenleft.mt)	-1: (U_uni032F)
-1: (lacute.sc)	-1: (ohorn.sc)	-1: (eight.prop)	-1: (ncaron.sc)	-1: (tcaron.sc)
-1: (lcommaaccent.sc)	-1: (uhorn.sc)	-1: (nine.prop)	-1: (utilde.sc)	-1: (uni021B.sc)
-1: (l_uni0303)	-1: (v.sc)	-1: (seven.prop)	-1: (umacron.sc)	-1: (T_uni0308)
-1: (l_uni0303.sc)	-1: (z.sc)	-1: (three.oldstyle)	-1: (omacron.sc)	-1: (suppress)
-1: (lcaron.sc)	-1: (x.sc)	-1: (star.alt)	-1: (Oogonekacute)	-1: (uni0219.sc)
-1: (L_uni0303)	-1: (y.sc)	-1: (copyright.alt)	-1: (oogonekacute)	-1: (sdotbelow.sc)
-1: (ldotbelow.sc)	-1: (cdotaccent.sc)	-1: (ycircumflex.sc)	-1: (ohungarumlaut.sc)	-1: (scircumflex.sc)
-1: (ldotbelowmacron.sc)	-1: (uni0308.cap)	-1: (ydotbelow.sc)	-1: (ohornhookabove.sc)	-1: (u_uni032F)
-1: (ldot.sc)	-1: (uni0300.cap)	-1: (yacute.sc)	-1: (ohorntilde.sc)	-1: (tdieresis.sc)
-1: (h_uni0303.sc)	-1: (agrave.sc)	-1: (wdieresis.sc)	-1: (ohorndotbelow.sc)	-1: (tlinebelow.sc)
-1: (imacron.alt.sc)	-1: (ahookabove.sc)	-1: (wgrave.sc)	-1: (oogonekacute.sc)	-1: (uacute.sc)
-1: (Imacron.alt)	-1: (amacron.sc)	-1: (wcircumflex.sc)	-1: (otilde.sc)	-1: (uni2A7E.mt)
-1: (icaron.sc)	-1: (aeacute.sc)			-1: (tdotbelow.sc)

-1: (t_uni0303.sc)	51: 3 (three)	114: r (r)	210: Ò (Ograve)	273: đ (dcroat)
-1: (T_uni0303)	52: 4 (four)	115: s (s)	211: Ó (Oacute)	274: Ě (Emacron)
-1: (t_uni0303)	53: 5 (five)	116: t (t)	212: Ô (Ocircumflex)	275: ě (emacron)
-1: (oogonek.sc)	54: 6 (six)	117: u (u)	213: Õ (Otilde)	276: Ě (Ebreve)
-1: (ubreve.sc)	55: 7 (seven)	118: v (v)	214: Ö (Odieresis)	277: ě (ebreve)
-1: (eng.sc)	56: 8 (eight)	119: w (w)	215: × (multiply)	278: Ě (Edotaccent)
-1: (six.taboldstyle)	57: 9 (nine)	120: x (x)	216: Ø (Oslash)	279: ě (edotaccent)
-1: (five.taboldstyle)	58: : (colon)	121: y (y)	217: Ù (Ugrave)	280: Ě (Eogonek)
-1: (four.taboldstyle)	59: ; (semicolon)	122: z (z)	218: Ú (Uacute)	281: ě (eogonek)
-1: (three.taboldstyle)	60: < (less)	123: { (braceleft)	219: Û (Ucircumflex)	282: Ě (Ecaron)
-1: (seven.taboldstyle)	61: = (equal)	124:   (bar)	220: Ü (Udieresis)	283: ě (ecaron)
-1: (nine.taboldstyle)	62: > (greater)	125: } (braceright)	221: Ý (Yacute)	284: Ě (Gcircumflex)
-1: (eight.taboldstyle)	63: ? (question)	126: ~ (asciitilde)	222: Þ (Thorn)	285: ĝ (gcircumflex)
-1: (a.sc)	64: @ (at)	160: (uni00A0)	223: ß (germandbls)	286: Ċ (Cbreve)
-1: (aogonek.sc)	65: A (A)	161: ¡ (exclamdown)	224: à (agrave)	287: ğ (gbreve)
-1: (two.taboldstyle)	66: B (B)	162: ¢ (cent)	225: á (acute)	288: Ć (Cdotaccent)
-1: (zero.taboldstyle)	67: C (C)	163: £ (sterling)	226: â (acircumflex)	289: ğ (gdotaccent)
-1: (threequartersemdash)	68: D (D)	164: ¤ (currency)	227: ã (atilde)	290: Ğ (Gcommaaccent)
-1: (o.sc)	69: E (E)	165: ¥ (yen)	228: ä (adieresis)	291: ğ (gcommaaccent)
-1: (one.taboldstyle)	70: F (F)	166: ¯ (brokenbar)	229: å (aring)	292: Ħ (Hcircumflex)
-1: (f_k)	71: G (G)	167: § (section)	230: æ (ae)	293: ħ (hcircumflex)
-1: (paragraph.alt)	72: H (H)	168: ¨ (dieresis)	231: ç (ccedilla)	294: Ħ (Hbar)
-1: (at.alt)	73: I (I)	169: © (copyright)	232: è (egrave)	295: ħ (hbar)
-1: (dotlessiogonek)	74: J (J)	170: ª (ordfeminine)	233: é (eacute)	296: Ĭ (Itilde)
-1: (b.sc)	75: K (K)	171: « (guillemotleft)	234: ê (ecircumflex)	297: ĭ (itilde)
-1: (approxequal.mt)	76: L (L)	172: ¬ (logicalnot)	235: ë (edieresis)	298: Ĭ (Imacron)
-1: (l.sc)	77: M (M)	173: (uni00AD)	236: ì (igrave)	299: ĭ (imacron)
-1: (eogonek.sc)	78: N (N)	174: ® (registered)	237: í (iacute)	300: ĭ (Ibreve)
-1: (f.sc)	79: O (O)	175: ¯ (macron)	238: î (icircumflex)	301: ĭ (ibreve)
-1: (k.sc)	80: P (P)	176: ° (degree)	239: ï (idieresis)	302: Ĭ (Iogonek)
-1: (d.sc)	81: Q (Q)	177: ± (plusminus)	240: ð (eth)	303: ĭ (iogonek)
-1: (e.sc)	82: R (R)	178: ² (two.superior)	241: ñ (ntilde)	304: Ĭ (Idotaccent)
-1: (h.sc)	83: S (S)	179: ³ (three.superior)	242: ò (ograve)	305: ı (dotlessi)
-1: (lslash.sc)	84: T (T)	180: ´ (acute)	243: ó (oacute)	306: Ĭ (I_J)
-1: (m.sc)	85: U (U)	181: μ (uni00B5)	244: ô (ocircumflex)	307: ĭj (i_j)
-1: (dotlessi.sc)	86: V (V)	182: ¶ (paragraph)	245: õ (otilde)	308: Ĵ (Jcircumflex)
-1: (g.sc)	87: W (W)	183: · (periodcentered)	246: ö (odieresis)	309: ĵ (jcircumflex)
-1: (iogonek.sc)	88: X (X)	184: ¸ (cedilla)	247: ÷ (divide)	310: Ķ (Kcommaaccent)
-1: (j.sc)	89: Y (Y)	185: ¹ (one.superior)	248: ø (oslash)	311: ķ (kcommaaccent)
-1: (n.sc)	90: Z (Z)	186: º (ordmasculine)	249: ù (ugrave)	313: Ĺ (Lacute)
-1: (i.sc)	91: [ (bracketleft)	187: » (guillemotright)	250: ú (uacute)	314: Ĭ (Iacute)
-1: (c.sc)	92: \ (backslash)	188: ¼ (onequarter)	251: û (ucircumflex)	315: Ļ (Lcommaaccent)
-1: (ccedilla.sc)	93: ] (bracketright)	189: ½ (onehalf)	252: ü (udieresis)	316: Ŀ (lcommaaccent)
-1: (dotlessj.sc)	94: ^ (asciicircum)	190: ¾ (threequarters)	253: ý (yacute)	317: Ļ (Lcaron)
32: (space)	95: _ (underscore)	191: ¿ (questiondown)	254: þ (thorn)	318: Ļ (lcaron)
33: ! (exclam)	96: ´ (grave)	192: À (Agrave)	255: ÿ (ydieresis)	319: Ł (Ldot)
34: " (quotedbl)	97: a (a)	193: Á (Aacute)	256: Ă (Amacron)	320: ł (ldot)
35: # (numeralsign)	98: b (b)	194: Â (Acircumflex)	257: ă (amacron)	321: Ł (Lslash)
36: \$ (dollar)	99: c (c)	195: Ã (Atilde)	258: Ą (Abreve)	322: ł (lslash)
37: % (percent)	100: d (d)	196: Ä (Adieresis)	259: ą (abreve)	323: Ń (Nacute)
38: & (ampersand)	101: e (e)	197: Å (Aring)	260: Ą (Aogonek)	324: ń (nacute)
39: ´ (quotesingle)	102: f (f)	198: Æ (AE)	261: ą (aogonek)	325: Ņ (Ncommaaccent)
40: ( (parenleft)	103: g (g)	199: Ç (Ccedilla)	262: Ć (Cacute)	326: ņ (ncommaaccent)
41: ) (parenright)	104: h (h)	200: È (Egrave)	263: ć (cacute)	327: Ň (Ncaron)
42: * (asterisk)	105: i (i)	201: É (Eacute)	264: Ĉ (Ccircumflex)	328: ñ (ncaron)
43: + (plus)	106: j (j)	202: Ê (Ecircumflex)	265: ċ (ccircumflex)	330: Ŋ (Eng)
44: , (comma)	107: k (k)	203: Ë (Edieresis)	266: Ć (Cdotaccent)	331: ŋ (eng)
45: - (hyphen)	108: l (l)	204: Ì (Igrave)	267: ċ (cdotaccent)	332: Ō (Omacron)
46: . (period)	109: m (m)	205: Í (Iacute)	268: Ć (Ccaron)	333: ō (omacron)
47: / (slash)	110: n (n)	206: Î (Icircumflex)	269: ċ (ccaron)	334: Ŏ (Obreve)
48: 0 (zero)	111: o (o)	207: Ī (Idieresis)	270: Ď (Dcaron)	335: ȯ (obreve)
49: 1 (one)	112: p (p)	208: Æ (Eth)	271: đ (dcaron)	336: Ű (Ohungarumlaut)
50: 2 (two)	113: q (q)	209: Ñ (Ntilde)	272: Đ (Dcroat)	337: ȳ (ohungarumlaut)

338: Œ (OE)	476: ù (udieresisgrave)	812: ¸ (caronbelowcmb)	982: ω (uni03D6)	7853: â (acircumflexdotbelow)
339: œ (oe)	477: ə (eturned)	813: ¸ (circumflexbelowcmb)	1008: κ (uni03F0)	7854: Å (Abreveacute)
340: Ř (Racute)	486: Ğ (Gcaron)	814: ¸ (brevebelowcmb)	1009: ϱ (uni03F1)	7855: ă (abreveacute)
341: ř (racute)	487: ğ (gcaron)	815: ¸ (breveinvertedbelowcmb)	1012: Θ (uni03F4)	7856: Ǻ (Abrevegrave)
342: Ř (Rcommaaccent)	490: Q̇ (Oogonek)	816: ¸ (tildebelowcmb)	1013: ε (uni03F5)	7857: ǻ (abrevegrave)
343: Ț (rcommaaccent)	491: q̇ (oogonek)	817: ˘ (uni0331)	3647: ฿ (bahthtai)	7858: Ǻ (Abrevehookabove)
344: Ř (Rcaron)	496: ĵ (jcaron)	818: ˘ (lowlinecmb)	7692: Ȼ (Ddotbelow)	7859: ǻ (abrevehookabove)
345: ř (rcaron)	500: Ġ (Gacute)	819: ˘ (dblowlowlinecmb)	7693: ȼ (ddotbelow)	7860: Ǻ (Abrevetilde)
346: Š (Sacute)	501: ģ (gacute)	824: / (uni0338)	7694: Ƚ (Dlinebelow)	7861: ǻ (abrevetilde)
347: š (sacute)	506: Å (Aringacute)	831: ¯ (dbloverlinecmb)	7695: Ⱦ (dlinebelow)	7862: Ǻ (Abrevedotbelow)
348: Š (Scircumflex)	507: ą (aringacute)	845: ₪ (uni034D)	7716: Ȩ (Hdotbelow)	7863: ǻ (abrevedotbelow)
349: š (scircumflex)	508: Ą (AEacute)	865: ˘ (tieaccentlowercase)	7717: ȩ (hdotbelow)	7864: Ȧ (Edotbelow)
350: Š (Scedilla)	509: æ (aeacute)	913: Α (Alpha)	7718: Ȫ (Hdieresis)	7865: ȥ (edotbelow)
351: š (scedilla)	510: Ø (Oslashacute)	914: Β (Beta)	7719: ȫ (hdieresis)	7866: Ȧ (Ehookabove)
352: Š (Scaron)	511: ø (oslashacute)	915: Γ (Gamma)	7722: Ȭ (Hbrevebelow)	7867: Ȧ (ehookabove)
353: š (scaron)	512: Ǻ (Adblgrave)	916: Δ (Delta)	7723: ȭ (hbrevebelow)	7868: Ȧ (Etilde)
354: Ț (Tcedilla)	513: ǻ (adblgrave)	917: Ε (Epsilon)	7726: Ȧ (Idieresisacute)	7869: Ȧ (etilde)
355: ț (tcedilla)	516: Ȧ (Edblgrave)	918: Ζ (Zeta)	7727: Ȧ (idieresisacute)	7870: Ȧ (Ecircumflexacute)
356: Ț (Tcaron)	517: Ȧ (edblgrave)	919: Η (Eta)	7734: Ȧ (Ldotbelow)	7871: Ȧ (ecircumflexacute)
357: ț (tcaron)	520: Ȧ (Idblgrave)	920: Θ (Theta)	7735: Ȧ (ldotbelow)	7872: Ȧ (Ecircumflexgrave)
360: Ȧ (Utilde)	521: Ȧ (idblgrave)	921: Ι (Iota)	7736: Ȧ (Ldotbelowmacron)	7873: Ȧ (ecircumflexgrave)
361: Ȧ (utilde)	524: Ȧ (Odblgrave)	922: Κ (Kappa)	7737: Ȧ (ldotbelowmacron)	7874: Ȧ (Ecircumflexhookabove)
362: Ȧ (Umacron)	525: Ȧ (odblgrave)	923: Λ (Lambda)	7746: Ȧ (Mdotbelow)	7875: Ȧ (ecircumflexhookabove)
363: Ȧ (umacron)	528: Ȧ (Rdblgrave)	924: Μ (Mu)	7747: Ȧ (mdotbelow)	7876: Ȧ (Ecircumflextilde)
364: Ȧ (Ubreve)	529: Ȧ (rdblgrave)	925: Ν (Nu)	7748: Ȧ (Ndotaccent)	7877: Ȧ (ecircumflextilde)
365: Ȧ (ubreve)	532: Ȧ (Udblgrave)	926: Ξ (Xi)	7749: Ȧ (ndotaccent)	7878: Ȧ (Ecircumflexdotbelow)
366: Ȧ (Uring)	533: Ȧ (udblgrave)	927: Ο (Omicron)	7750: Ȧ (Ndotbelow)	7879: Ȧ (ecircumflexdotbelow)
367: Ȧ (uring)	536: Š (uni0218)	928: Π (Pi)	7751: Ȧ (ndotbelow)	7880: Ȧ (Ihookabove)
368: Ȧ (Uhungarumlaut)	537: š (uni0219)	929: Ρ (Rho)	7768: Ȧ (Rdotaccent)	7881: Ȧ (ihookabove)
369: Ȧ (uhungarumlaut)	538: Ț (uni021A)	931: Σ (Sigma)	7769: Ȧ (rdotaccent)	7882: Ȧ (Idotbelow)
370: Ȧ (Uogonek)	539: ț (uni021B)	932: Τ (Tau)	7770: Ȧ (Rdotbelow)	7883: Ȧ (idotbelow)
371: Ȧ (uogonek)	567: j (dotlessj)	933: Υ (Upsilon)	7771: Ȧ (rdotbelow)	7884: Ȧ (Odotbelow)
372: Ȧ (Wcircumflex)	600: ə (ereversed)	934: Φ (Phi)	7772: Ȧ (Rdotbelowmacron)	7885: Ȧ (odotbelow)
373: Ȧ (wcircumflex)	601: ə (schwa)	935: Χ (Chi)	7773: Ȧ (rdotbelowmacron)	7886: Ȧ (Ohookabove)
374: Ȧ (Ycircumflex)	702: ˘ (ringhalfright)	936: Ψ (Psi)	7778: Ȧ (Sdotbelow)	7887: Ȧ (ohookabove)
375: Ȧ (ycircumflex)	703: ˘ (ringhalfleft)	937: Ω (Omega)	7779: Ȧ (sdotbelow)	7888: Ȧ (Ocircumflexacute)
376: Ȧ (Ydieresis)	710: ˘ (circumflex)	945: α (alpha)	7788: Ȧ (Tdotbelow)	7889: Ȧ (ocircumflexacute)
377: Ȧ (Zacute)	711: ˘ (caron)	946: β (beta)	7789: Ȧ (tdotbelow)	7890: Ȧ (Ocircumflexgrave)
378: Ȧ (zacute)	728: ˘ (breve)	947: γ (gamma)	7790: Ȧ (Tlinebelow)	7891: Ȧ (ocircumflexgrave)
379: Ȧ (Zdotaccent)	729: ˘ (dotaccent)	948: δ (delta)	7791: Ȧ (tlinebelow)	7892: Ȧ (Ocircumflexhookabove)
380: Ȧ (zdotaccent)	730: ˘ (ring)	949: ε (epsilon)	7808: Ȧ (Wgrave)	7893: Ȧ (ocircumflexhookabove)
381: Ȧ (Zcaron)	731: ˘ (ogonek)	950: ζ (zeta)	7809: Ȧ (wgrave)	7894: Ȧ (Ocircumflextilde)
382: Ȧ (zcaron)	732: ˘ (tilde)	951: η (eta)	7810: Ȧ (Wacute)	7895: Ȧ (ocircumflextilde)
383: f (longs)	733: ˘ (hungarumlaut)	952: θ (theta)	7811: Ȧ (wacute)	7896: Ȧ (Ocircumflexdotbelow)
398: Ȧ (Ereversed)	768: ˘ (uni0300)	953: ι (iota)	7812: Ȧ (Wdieresis)	7897: Ȧ (ocircumflexdotbelow)
402: f (florin)	769: ˘ (uni0301)	954: κ (kappa)	7813: Ȧ (wdieresis)	7898: Ȧ (Ohornacute)
416: Ȧ (Ohorn)	770: ˘ (circumflexcmb)	955: λ (lambda)	7826: Ȧ (Zdotbelow)	7899: Ȧ (ohornacute)
417: σ (ohorn)	771: ˘ (tildecmb)	956: μ (mu)	7827: Ȧ (zdotbelow)	7900: Ȧ (Ohorngrave)
431: Ȧ (Uhorn)	772: ˘ (uni0304)	957: ν (nu)	7831: Ȧ (tdieresis)	7901: Ȧ (ohorngrave)
432: Ȧ (uhorn)	773: ˘ (overlinecmb)	958: ξ (xi)	7840: Ȧ (Adotbelow)	7902: Ȧ (Ohornhookabove)
461: Ȧ (Acaron)	774: ˘ (brevecmb)	959: ο (omicron)	7841: Ȧ (adotbelow)	7903: Ȧ (ohornhookabove)
462: Ȧ (acaron)	775: ˘ (uni0307)	960: π (pi)	7842: Ȧ (Ahookabove)	7904: Ȧ (Ohorntilde)
463: Ȧ (Icaron)	776: ˘ (uni0308)	961: ρ (rho)	7843: Ȧ (ahookabove)	7905: Ȧ (ohorntilde)
464: Ȧ (icaron)	777: ˘ (uni0309)	962: σ (uni03C2)	7844: Ȧ (Acircumflexacute)	7906: Ȧ (Ohorndotbelow)
465: Ȧ (Ocaron)	778: ˘ (uni030A)	963: σ (sigma)	7845: Ȧ (acircumflexacute)	7907: Ȧ (ohorndotbelow)
466: Ȧ (ocaron)	779: ˘ (uni030B)	964: τ (tau)	7846: Ȧ (Acircumflexgrave)	7908: Ȧ (Udotbelow)
467: Ȧ (Ucaron)	780: ˘ (caroncmb)	965: υ (upsilon)	7847: Ȧ (acircumflexgrave)	7909: Ȧ (udotbelow)
468: Ȧ (ucaron)	783: ˘ (uni030F)	966: φ (phi)	7848: Ȧ (Acircumflexhookabove)	7910: Ȧ (Uhookabove)
471: Ȧ (Udieresisacute)	785: ˘ (breveinvertedcmb)	967: χ (chi)	7849: Ȧ (acircumflexhookabove)	7911: Ȧ (uhookabove)
472: Ȧ (udieresisacute)	803: ˘ (uni0323)	968: ψ (psi)	7850: Ȧ (Acircumflextilde)	7912: Ȧ (Uhornacute)
473: Ȧ (Udieresiscaron)	806: ˘ (uni0326)	969: ω (omega)	7851: Ȧ (acircumflextilde)	7913: Ȧ (uhornacute)
474: Ȧ (udieresiscaron)	807: ˘ (cedillacmb)	977: θ (uni03D1)	7852: Ȧ (Acircumflexdotbelow)	7914: Ȧ (Uhorngrave)
475: Ȧ (Udieresisgrave)	808: ˘ (ogonekcomb)	981: φ (uni03D5)		

7915: ū (uhorngrave)	8261: [ (uni2045)	8494: ₯ (estimated)	8653: ≠ (uni21CD)	8745: ∩ (intersection)
7916: Ű (Uhornhookabove)	8262: ] (uni2046)	8501: ₰ (aleph)	8654: ≍ (uni21CE)	8746: ∪ (union)
7917: ű (uhornhookabove)	8274: % (discount)	8502: □ (uni2136)	8655: ≎ (uni21CF)	8747: ∫ (integral)
7918: Ũ (Uhorntilde)	8276: _ (uni2054)	8503: λ (uni2137)	8656: ⇐ (arrowdblleft)	8748: ∬ (uni222C)
7919: ű (uhorntilde)	8279: ¨ (uni2057)	8504: ⊓ (uni2138)	8657: ⇑ (arrowdblup)	8749: ∭ (uni222D)
7920: Ŭ (Uhorndotbelow)	8287: (uni205F)	8592: ← (arrowleft)	8658: ⇒ (arrowdblright)	8750: ∮ (contourintegral)
7921: ů (uhorndotbelow)	8288: (uni2060)	8593: ↑ (arrowup)	8659: ⇓ (arrowdbldown)	8751: ∯ (uni222F)
7922: Ÿ (Ygrave)	8289: (uni2061)	8594: → (arrowright)	8660: ⇔ (arrowdblboth)	8752: ∰ (uni2230)
7923: ŷ (ygrave)	8290: (uni2062)	8595: ↓ (arrowdown)	8661: ‡ (uni21D5)	8753: ₣ (uni2231)
7924: Ÿ (Ydotbelow)	8291: (uni2063)	8596: ↔ (arrowboth)	8662: ₧ (uni21D6)	8754: ₥ (uni2232)
7925: ŷ (ydotbelow)	8292: (uni2064)	8597: ↑ (arrowupdn)	8663: ₨ (uni21D7)	8755: ₦ (uni2233)
7926: Ÿ (Yhookabove)	8353: ₯ (colonmonetary)	8598: ₮ (uni2196)	8664: ₳ (uni21D8)	8756: ∴ (therefore)
7927: ŷ (yhookabove)	8356: ₧ (lira)	8599: ↗ (uni2197)	8665: ₴ (uni21D9)	8757: ∵ (because)
7928: Ÿ (Ytilde)	8358: ₮ (uni20A6)	8600: ₴ (uni2198)	8666: ⇐ (uni21DA)	8758: ∶ (ratio)
7929: ŷ (ytilde)	8361: ₮ (won)	8601: ↖ (uni2199)	8667: ⇒ (uni21DB)	8759: ∷ (proportion)
8192: (uni2000)	8363: ₮ (dong)	8602: ⇐ (uni219A)	8668: ⇐ (uni21DC)	8760: ÷ (uni2238)
8193: (uni2001)	8364: ₯ (Euro)	8603: ⇐ (uni219B)	8669: ⇐ (uni21DD)	8761: ∷ (uni2239)
8194: (uni2002)	8369: ₯ (uni20B1)	8604: ⇐ (uni219C)	8678: ⇐ (uni21E6)	8762: ∷ (uni223A)
8195: (uni2003)	8370: ₯ (uni20B2)	8605: ⇐ (uni219D)	8679: ‡ (uni21E7)	8763: ∷ (uni223B)
8196: (uni2004)	8381: ₯ (uni20BD)	8606: ⇐ (uni219E)	8680: ⇐ (uni21E8)	8764: ∷ (similar)
8197: (uni2005)	8383: ₯ (uni20BF)	8607: ‡ (uni219F)	8681: ‡ (uni21E9)	8765: ∷ (uni223D)
8198: (uni2006)	8400: ¸ (uni20D0)	8608: → (uni21A0)	8691: ‡ (uni21F3)	8766: ∷ (uni223E)
8199: (uni2007)	8401: ¸ (uni20D1)	8609: ↓ (uni21A1)	8693: ‡ (uni21F5)	8767: ∷ (uni223F)
8200: (uni2008)	8402: ¸ (uni20D2)	8610: ⇐ (uni21A2)	8694: ⇐ (uni21F6)	8768: ∷ (uni2240)
8201: (uni2009)	8403: ¸ (uni20D3)	8611: ⇐ (uni21A3)	8704: ∀ (universal)	8769: ∷ (uni2241)
8202: (uni200A)	8404: ¸ (uni20D4)	8612: ⇐ (uni21A4)	8705: C (uni2201)	8770: ≈ (uni2242)
8203: (uni200B)	8405: ¸ (uni20D5)	8613: ‡ (uni21A5)	8706: ∂ (partialdiff)	8771: ≈ (similar_equal)
8204: (uni200C)	8406: ¸ (uni20D6)	8614: → (uni21A6)	8707: ∃ (existential)	8772: ≠ (uni2244)
8205: (uni200D)	8407: ¸ (uni20D7)	8615: ↓ (uni21A7)	8708: ∅ (uni2204)	8773: ≅ (uni2245)
8208: - (hyphentwo)	8408: ¸ (uni20D8)	8617: ⇐ (uni21A9)	8709: ∅ (emptyset)	8774: ≅ (uni2246)
8209: - (uni2011)	8411: ¸ (uni20DB)	8618: ⇐ (uni21AA)	8710: Δ (uni2206)	8775: ≅ (uni2247)
8210: - (figuredash)	8412: ¸ (uni20DC)	8619: ⇐ (uni21AB)	8711: ∇ (nabla)	8776: ≈ (approxequal)
8211: - (endash)	8413: ∅ (uni20DD)	8620: ⇐ (uni21AC)	8712: ∈ (element)	8777: ≠ (uni2249)
8212: — (emdash)	8414: ∅ (uni20DE)	8621: ⇐ (uni21AD)	8713: ∉ (uni2209)	8778: ≅ (uni224A)
8213: — (uni2015)	8415: ∅ (uni20DF)	8622: ⇐ (uni21AE)	8714: ∈ (uni220A)	8779: ≅ (uni224B)
8214:    (dblverticalbar)	8417: ¸ (uni20E1)	8623: ₣ (uni21AF)	8715: ∃ (suchthat)	8780: ≅ (uni224C)
8215: = (uni2017)	8420: ∅ (uni20E4)	8624: ¶ (uni21B0)	8716: ∅ (uni220C)	8781: ≈ (uni224D)
8216: ‘ (quoteleft)	8421: ∅ (uni20E5)	8625: ¶ (uni21B1)	8717: ∅ (uni220D)	8782: ≈ (uni224E)
8217: ’ (quoteright)	8422: ∅ (uni20E6)	8626: ¶ (uni21B2)	8718: ■ (uni220E)	8783: ≈ (uni224F)
8218: ‚ (quotesinglbase)	8424: ∅ (uni20E8)	8627: ¶ (uni21B3)	8719: ∏ (product)	8784: ÷ (uni2250)
8220: “ (quotedblleft)	8425: ¸ (uni20E9)	8628: ↗ (uni21B4)	8720: ∏ (uni2210)	8785: ÷ (uni2251)
8221: ” (quotedblright)	8426: (uni20EA)	8629: ↗ (carriagereturn)	8721: ∑ (summation)	8786: ≡ (uni2252)
8222: „ (quotedblbase)	8427: / (uni20EB)	8630: ∞ (uni21B6)	8722: − (minus)	8787: ≡ (uni2253)
8224: † (dagger)	8428: ¸ (uni20EC)	8631: ∞ (uni21B7)	8723: ± (minusplus)	8788: := (uni2254)
8225: ‡ (daggerdbl)	8429: ¸ (uni20ED)	8634: σ (uni21BA)	8724: ‡ (uni2214)	8789: := (uni2255)
8226: • (bullet)	8430: ¸ (uni20EE)	8635: σ (uni21BB)	8725: / (uni2215)	8790: ≈ (uni2256)
8230: … (ellipsis)	8431: ¸ (uni20EF)	8636: ⇐ (uni21BC)	8726: \ (uni2216)	8791: ≅ (uni2257)
8239: (uni202F)	8432: ¸ (uni20F0)	8637: ⇐ (uni21BD)	8727: * (asteriskmath)	8792: ≅ (uni2258)
8240: ‰ (perthousand)	8451: °C (centigrade)	8638: ‡ (uni21BE)	8728: ° (uni2218)	8793: ≅ (uni2259)
8241: ‰ (permyriad)	8455: °F (fahrenheit)	8639: ‡ (uni21BF)	8729: • (bulletoperator)	8794: ≅ (uni225A)
8242: ' (minute)	8457: °F (fahrenheit)	8640: → (uni21C0)	8730: √ (radical)	8795: ≅ (uni225B)
8243: " (uni2033)	8463: h (uni210F)	8641: → (uni21C1)	8733: ∝ (proportional)	8796: ≅ (uni225C)
8244: ¨ (uni2034)	8467: l (litre)	8642: ↓ (uni21C2)	8734: ∞ (infinity)	8797: ≅ (uni225D)
8245: ` (primereversed)	8470: № (numero)	8643: ↓ (uni21C3)	8735: ∟ (uni221F)	8798: ≅ (uni225E)
8246: ¨ (uni2036)	8471: © (published)	8644: ⇐ (uni21C4)	8736: ∠ (angle)	8799: ≅ (uni225F)
8247: ¨ (uni2037)	8472: ∅ (weierstrass)	8645: ‡ (uni21C5)	8737: ∠ (uni2221)	8800: ≠ (notequal)
8249: ◁ (guilsinglleft)	8478: R (recipe)	8646: ⇐ (uni21C6)	8738: ∠ (uni2222)	8801: ≅ (equivalence)
8250: ▷ (guilsinglright)	8480: ™ (servicemark)	8647: ⇐ (uni21C7)	8739:   (divides)	8802: ≠ (uni2262)
8251: * (referencemark)	8482: ™ (trademark)	8648: ‡ (uni21C8)	8740: ‡ (uni2224)	8803: ≅ (uni2263)
8253: ¶ (uni203D)	8486: Ω (uni2126)	8649: ⇐ (uni21C9)	8741:    (parallel)	8804: ≤ (lessequal)
8255: _ (uni203F)	8487: U (uni2127)	8650: ‡ (uni21CA)	8742:    (uni2226)	8805: ≥ (greaterequal)
8256: ^ (uni2040)	8490: K (uni212A)	8651: ⇐ (uni21CB)	8743: ∧ (logicaland)	8806: ≤ (uni2266)
8260: / (fraction)	8491: Å (uni212B)	8652: ⇐ (uni21CC)	8744: ∨ (logicalor)	8807: ≥ (uni2267)

8808: $\leq$ (uni2268)	8869: $\perp$ (uni22A5)	8933: $\sqsubset$ (uni22E5)	9632: $\blacksquare$ (filledbox)	10233: $\implies$ (uni27F9)
8809: $\geq$ (uni2269)	8870: $\vdash$ (uni22A6)	8934: $\lesssim$ (uni22E6)	9633: $\square$ (H22073)	10234: $\iff$ (uni27FA)
8810: $\ll$ (lessmuch)	8871: $\models$ (uni22A7)	8935: $\gtrsim$ (uni22E7)	9642: $\blacksquare$ (H18543)	10235: $\longleftarrow$ (uni27FB)
8811: $\gg$ (greatermuch)	8872: $\vDash$ (uni22A8)	8936: $\lesseqgtr$ (uni22E8)	9643: $\circ$ (H18551)	10236: $\mapsto$ (uni27FC)
8812: $\S$ (uni226C)	8873: $\Vdash$ (uni22A9)	8937: $\gtrreqgtr$ (uni22E9)	9644: $\blacksquare$ (filledrect)	10237: $\Longleftarrow$ (uni27FD)
8813: $\neq$ (uni226D)	8874: $\Vdash$ (uni22AA)	8938: $\nVdash$ (uni22EA)	9645: $\square$ (uni25AD)	10238: $\implies$ (uni27FE)
8814: $\lneq$ (uni226E)	8875: $\Vdash$ (uni22AB)	8939: $\nVdash$ (uni22EB)	9650: $\blacktriangle$ (triagup)	10239: $\rightsquigarrow$ (uni27FF)
8815: $\rneq$ (uni226F)	8876: $\nVdash$ (uni22AC)	8940: $\nVdash$ (uni22EC)	9651: $\triangle$ (uni25B3)	10502: $\Leftarrow$ (uni2906)
8816: $\leqslant$ (uni2270)	8877: $\nVdash$ (uni22AD)	8941: $\nVdash$ (uni22ED)	9654: $\blacktriangleright$ (uni25B6)	10503: $\Rightarrow$ (uni2907)
8817: $\geqslant$ (uni2271)	8878: $\nVdash$ (uni22AE)	8942: $\vdots$ (uni22EE)	9655: $\triangleright$ (uni25B7)	10547: $\rightsquigarrow$ (uni2933)
8818: $\lesseqgtr$ (uni2272)	8879: $\nVdash$ (uni22AF)	8943: $\cdots$ (uni22EF)	9660: $\blacktriangledown$ (triagdn)	10752: $\odot$ (uni2A00)
8819: $\gtrreqgtr$ (uni2273)	8882: $\triangleleft$ (uni22B2)	8944: $\therefore$ (uni22F0)	9661: $\nabla$ (uni25BD)	10753: $\oplus$ (uni2A01)
8820: $\nlessgtr$ (uni2274)	8883: $\triangleright$ (uni22B3)	8945: $\therefore$ (uni22F1)	9664: $\blacktriangleleft$ (uni25C0)	10754: $\otimes$ (uni2A02)
8821: $\nlessgtr$ (uni2275)	8884: $\trianglelefteq$ (uni22B4)	8960: $\varnothing$ (uni2300)	9665: $\triangleleft$ (uni25C1)	10755: $\cup$ (uni2A03)
8822: $\leqslant$ (uni2276)	8885: $\trianglerighteq$ (uni22B5)	8965: $\mp$ (uni2305)	9674: $\diamond$ (lozenge)	10756: $\Join$ (uni2A04)
8823: $\geqslant$ (uni2277)	8886: $\leftrightarrow$ (uni22B6)	8966: $\equiv$ (uni2306)	9675: $\circ$ (circle)	10757: $\sqcap$ (uni2A05)
8824: $\nlessgtr$ (uni2278)	8887: $\leftrightarrow$ (uni22B7)	8968: $\lceil$ (uni2308)	9679: $\bullet$ (H18533)	10758: $\sqcup$ (uni2A06)
8825: $\nlessgtr$ (uni2279)	8888: $\rightarrow$ (uni22B8)	8969: $\rfloor$ (uni2309)	9702: $\circ$ (openbullet)	10761: $\times$ (uni2A09)
8826: $<$ (uni227A)	8889: $\rightarrow$ (uni22B9)	8970: $\lfloor$ (uni230A)	9711: $\bigcirc$ (uni25EF)	10764: $\frown$ (uni2A0C)
8827: $>$ (uni227B)	8890: $\top$ (uni22BA)	8971: $\rfloor$ (uni230B)	9824: $\spadesuit$ (spade)	10769: $\Join$ (uni2A11)
8828: $\leqslant$ (uni227C)	8891: $\bot$ (uni22BB)	8976: $\neg$ (revlogicalnot)	9825: $\heartsuit$ (heartsuitwhite)	10799: $\times$ (uni2A2F)
8829: $\geqslant$ (uni227D)	8892: $\neg$ (uni22BC)	8985: $\neg$ (uni2319)	9826: $\diamond$ (diamondsuitwhite)	10815: $\sqcap$ (uni2A3F)
8830: $\lesseqgtr$ (uni227E)	8893: $\nabla$ (uni22BD)	8988: $\neg$ (uni231C)	9827: $\clubsuit$ (club)	10877: $\leqslant$ (uni2A7D)
8831: $\gtrreqgtr$ (uni227F)	8894: $\neg$ (uni22BE)	8989: $\neg$ (uni231D)	9828: $\diamond$ (spadesuitwhite)	10878: $\geqslant$ (uni2A7E)
8832: $\star$ (uni2280)	8895: $\triangleleft$ (uni22BF)	8990: $\neg$ (uni231E)	9829: $\heartsuit$ (heart)	10885: $\leqslant$ (uni2A85)
8833: $\star$ (uni2281)	8896: $\bigwedge$ (uni22C0)	8991: $\neg$ (uni231F)	9830: $\diamond$ (diamond)	10886: $\geqslant$ (uni2A86)
8834: $\subset$ (propersubset)	8897: $\bigvee$ (uni22C1)	8992: $\int$ (integraltp)	9831: $\clubsuit$ (clubsuitwhite)	10887: $\leqslant$ (uni2A87)
8835: $\supset$ (propersuperset)	8898: $\cap$ (uni22C2)	8993: $\int$ (integralbt)	9834: $\sharp$ (musicalnote)	10888: $\geqslant$ (uni2A88)
8836: $\nsubset$ (uni2284)	8899: $\cup$ (uni22C3)	8994: $\neg$ (uni2322)	9837: $\flat$ (musicflatsign)	10889: $\leqslant$ (uni2A89)
8837: $\supset$ (uni2285)	8900: $\circ$ (uni22C4)	8995: $\neg$ (uni2323)	9838: $\sharp$ (uni266E)	10890: $\geqslant$ (uni2A8A)
8838: $\subseteq$ (reflexsubset)	8901: $\neg$ (uni22C5)	9001: $\langle$ (angleleft)	9839: $\sharp$ (musicsharpsign)	10891: $\leqslant$ (uni2A8B)
8839: $\supseteq$ (reflexsuperset)	8902: $\star$ (uni22C6)	9002: $\rangle$ (angleright)	9901: $\infty$ (married)	10892: $\leqslant$ (uni2A8C)
8840: $\nsubseteq$ (uni2288)	8903: $\times$ (uni22C7)	9138: $\neg$ (uni23B2)	9902: $\div$ (divorced)	10901: $\leqslant$ (uni2A95)
8841: $\supseteq$ (uni2289)	8904: $\infty$ (uni22C8)	9139: $\angle$ (uni23B3)	10003: $\checkmark$ (checkmark)	10902: $\geqslant$ (uni2A96)
8842: $\subsetneq$ (uni228A)	8905: $\infty$ (uni22C9)	9140: $\neg$ (uni23B4)	10016: $\star$ (uni2720)	10927: $\leqslant$ (uni2AAF)
8843: $\supsetneq$ (uni228B)	8906: $\times$ (uni22CA)	9141: $\neg$ (uni23B5)	10145: $\rightarrow$ (uni27A1)	10928: $\geqslant$ (uni2AB0)
8844: $\Join$ (uni228C)	8907: $\times$ (uni22CB)	9168: $\neg$ (uni23D0)	10178: $\perp$ (uni27C2)	11012: $\Leftrightarrow$ (uni2B04)
8845: $\cup$ (uni228D)	8908: $\times$ (uni22CC)	9180: $\neg$ (uni23DC)	10200: $\perp$ (uni27D8)	11013: $\Leftarrow$ (uni2B05)
8846: $\Join$ (uni228E)	8909: $\asymp$ (uni22CD)	9181: $\neg$ (uni23DD)	10201: $\top$ (uni27D9)	11014: $\uparrow$ (uni2B06)
8847: $\sqsubset$ (uni228F)	8910: $\vee$ (uni22CE)	9182: $\neg$ (uni23DE)	10202: $\neq$ (uni27DA)	11015: $\downarrow$ (uni2B07)
8848: $\sqsupset$ (uni2290)	8911: $\wedge$ (uni22CF)	9183: $\neg$ (uni23DF)	10203: $\nVdash$ (uni27DB)	11020: $\Leftarrow$ (uni2B0C)
8849: $\sqsubseteq$ (uni2291)	8912: $\in$ (uni22D0)	9184: $\neg$ (uni23E0)	10204: $\neg$ (uni27DC)	11021: $\uparrow$ (uni2B0D)
8850: $\sqsupseteq$ (uni2292)	8913: $\ni$ (uni22D1)	9185: $\neg$ (uni23E1)	10205: $\vdash$ (uni27DD)	11034: $\square$ (uni2B1A)
8851: $\cap$ (uni2293)	8914: $\ni$ (uni22D2)	9250: $\mathbf{b}$ (blanksymbol)	10206: $\neg$ (uni27DE)	11057: $\Xi$ (uni2B31)
8852: $\sqcup$ (uni2294)	8915: $\Join$ (uni22D3)	9251: $\neg$ (uni2423)	10208: $\diamond$ (uni27E0)	11059: $\rightsquigarrow$ (uni2B33)
8853: $\oplus$ (circleplus)	8917: $\#$ (uni22D5)	9472: $-$ (SF100000)	10209: $\diamond$ (uni27E1)	11071: $\rightsquigarrow$ (uni2B3F)
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